



January 10, 2005

Miller Brooks Environmental, Inc.  
720 South Point Boulevard, Suite 207  
Petaluma, CA 94954

ATTN: MR. JED DOUGLAS

SITE: 76 STATION 4935  
2200 MENDOCINO AVENUE  
SANTA ROSA, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
OCTOBER THROUGH DECEMBER 2004

This Quarterly Monitoring Report for 76 Station 4935 is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by January 17, 2005, this report will be distributed to the following:

Ms. Jo Bentz, RWQCB - North Coast Region  
Ms. Natalie Thompson, Safeway, Inc.  
Ms. Andrea Jensen, Santa Rosa Fire Department

Please send all comments to me at [cherrera@trcsolutions.com](mailto:cherrera@trcsolutions.com). If you have any questions regarding this report, please call me at (949) 727-7345.

Sincerely,

TRC

A handwritten signature in black ink, appearing to read "Christina Carrillo".

Christina Carrillo  
QMS Technical Writer



January 10, 2005

ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 4935  
2200 MENDOCINO AVENUE  
SANTA ROSA, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
OCTOBER THROUGH DECEMBER 2004

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for 76 Station 4935, located at 2200 Mendocino Avenue, Santa Rosa, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

A handwritten signature in black ink, appearing to read "Anju Farfan".

Anju Farfan  
QMS Operations Manager

CC: Ms. Jo Bentz, RWQCB-North Coast Region  
Ms. Natalie Thompson, Safeway, Inc.  
Ms. Andrea Jensen, Santa Rosa Fire Department  
Mr. Jed Douglas, Miller Brooks Environmental

Enclosures

20-0400/4935R05.QMS



**QUARTERLY MONITORING REPORT  
OCTOBER THROUGH DECEMBER 2004**

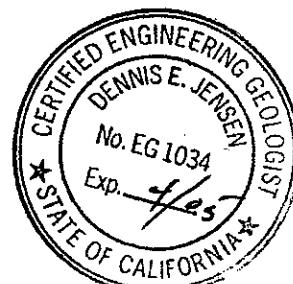
76 STATION 4935  
2200 Mendocino Avenue  
Santa Rosa, California

Prepared For:

Mr. Thomas H. Kosel  
CONOCOPHILLIPS COMPANY  
76 Broadway  
Sacramento, California 95818

By:

A handwritten signature in black ink, appearing to read "Dennis E. Jensen".



Senior Project Geologist, Irvine Operations  
January 10, 2005

## LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 3: Additional Analytical Results
Coordinated Event Data	<i>Former Shell Service Station</i> Well Concentrations
Figures	Figure 1: Vicinity Map Figure 2A: Groundwater Elevation Contour Map (Shallow Wells) Figure 2B: Groundwater Elevation Contour Map (Deep Wells) Figure 3A: Dissolved-Phase TPPH Concentration Map(Shallow Wells) Figure 3B: Dissolved-Phase TPPH Concentration Map(Deep Wells) Figure 4A: Dissolved-Phase Benzene Concentration Map(Shallow Wells) Figure 4B: Dissolved-Phase Benzene Concentration Map(Deep Wells) Figure 5A: Dissolved-Phase MTBE Concentration Map(Shallow Wells) Figure 5B: Dissolved-Phase MTBE Concentration Map(Deep Wells)
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

**Summary of Gauging and Sampling Activities**  
**October 2004 through December 2004**  
**76 Station 4935**  
**2200 Mendocino Avenue**  
**Santa Rosa, CA**

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Project Coordinator: **Thomas Kosel**  
Telephone: **916-558-7666**

Water Sampling Contractor: **TRC**  
Compiled by: **Christina Carrillo**

Date(s) of Gauging/Sampling Event: **11/11/04**

**Sample Points**

Groundwater wells: **6** onsite, **11** offsite      Wells gauged: **17**      Wells sampled: **17**

Purging method: **Diaphragm/submersible pump**

Purge water disposal: **Onyx/Rodeo Unit 100**

Other Sample Points: **2**      Type: **STREAM**

**Liquid Phase Hydrocarbons (LPH)**

Wells with LPH: **0**      Maximum thickness (feet): **n/a**

LPH removal frequency: **n/a**      Method: **n/a**

Treatment or disposal of water/LPH: **n/a**

**Hydrogeologic Parameters**

Depth to groundwater (below TOC):      Minimum: **3.42 feet**      Maximum: **19.62 feet**

Average groundwater elevation (relative to available local datum): **148.97 feet**

Average change in groundwater elevation since previous event: **0.95 feet**

Interpreted groundwater gradient and flow direction:

Current event: **\*\*see notes below**

Previous event: **\*see additional information (08/04/04)**

**Selected Laboratory Results**

Wells with detected **Benzene**: **2**      Wells above MCL (1.0 µg/l): **2**

Maximum reported benzene concentration: **21 µg/l (MW-8DR)**

Wells with **TPPH 8260B**      **8**      Maximum: **8,400 µg/l (MW-10S)**

Wells with **MTBE**      **12**      Maximum: **1,300 µg/l (MW-8DR)**

**Notes:**

\*\*Groundwater gradient 0.03 ft/ft southwest (shallow wells); 0.10 ft/ft southeast (deep wells).

\*Previous groundwater gradient 0.01 ft/ft west (shallow wells); 0.06 ft/ft southeast (deep wells).

STREAM-DOWN=creek sample, STREAM-UP=creek sample,

## TABLES

## TABLE KEY

### STANDARD ABBREVIATIONS

--	= not analyzed, measured, or collected
LPH	= liquid-phase hydrocarbons
Trace	= less than 0.01 foot of LPH in well
$\mu\text{g/l}$	= micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	= milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	= not detected at or above laboratory detection limit
TOC	= top of casing (surveyed reference elevation)

### ANALYTES

BTEX	= benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	= di-isopropyl ether
ETBE	= ethyl tertiary butyl ether
MTBE	= methyl tertiary butyl ether
PCB	= polychlorinated biphenyls
PCE	= tetrachloroethene
TBA	= tertiary butyl alcohol
TCA	= trichloroethane
TCE	= trichloroethylene
TPH-G	= total petroleum hydrocarbons with gasoline distinction
TPH-D	= total petroleum hydrocarbons with diesel distinction
TPPH	= total purgeable petroleum hydrocarbons
TRPH	= total recoverable petroleum hydrocarbons
TAME	= tertiary amyl methyl ether
1,1-DCA	= 1,1-dichloroethane
1,2-DCA	= 1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	= 1,1-dichloroethylene
1,2-DCE	= 1,2-dichloroethylene (cis- and trans-)

### NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (D<sub>p</sub> x LPH Thickness), where D<sub>p</sub> is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

### REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 4935 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

**Table 1**  
**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 11, 2004**  
**76 Station 4935**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-1</b> 11/11/04	157.58	4.50	0.00	153.08	1.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	4.9
<b>MW-2</b> 11/11/04	157.63	5.82	0.00	151.81	0.30	--	260	2.7	ND<0.50	2.8	1.3	--	--	8.7
<b>MW-3</b> 11/11/04	158.19	3.66	0.00	154.53	2.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	1.2
<b>MW-4</b> 11/11/04	157.60	3.42	0.00	154.18	1.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50
<b>MW-5</b> 11/11/04	157.54	3.73	0.00	153.81	1.80	--	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	11
<b>MW-5D</b> 11/11/04	157.48	19.62	0.00	137.86	-1.58	--	ND<50	ND<0.50	0.62	ND<0.50	1.7	--	--	ND<0.50
<b>MW-6D</b> 11/11/04	156.23	10.85	0.00	145.38	-1.01	--	86	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	90
<b>MW-6S</b> 11/11/04	156.51	5.40	0.00	151.11	0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	3.7
<b>MW-7D</b> 11/11/04	156.97	5.20	0.00	151.77	9.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	0.64
<b>MW-7S</b> 11/11/04	156.68	15.15	0.00	141.53	-8.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	1.9
<b>MW-8DR</b> 11/11/04	157.93	12.31	0.00	145.62	0.55	--	1600	21	16	ND<10	96	--	--	1300
<b>MW-8SR</b> 11/11/04	158.06	5.04	0.00	153.02	1.37	--	51	ND<0.50	0.57	ND<0.50	ND<1.0	--	--	1.5
<b>MW-9S</b>														

**Table 1**  
**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 11, 2004**  
**76 Station 4935**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B	TPPH 8260B	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	MTBE 8260B	Comments
						( $\mu\text{g/l}$ )								
MW-9S continued														
11/11/04	156.94	4.75	0.00	152.19	2.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>MW-10S</b>														
11/11/04	154.18	6.20	0.00	147.98	2.43	--	8400	ND<25	ND<25	ND<25	ND<50	--	ND<25	
<b>MW-11D</b>														
11/11/04	154.05	10.35	0.00	143.70	0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.5	
<b>MW-11S</b>														
11/11/04	154.08	6.80	0.00	147.28	1.39	--	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.1	
<b>MW-12S</b>														
11/11/04	153.80	6.22	0.00	147.58	1.50	--	2800	ND<10	ND<10	ND<10	ND<20	--	ND<10	
<b>STREAM-DOWN</b>														
11/11/04	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>STREAM-UP</b>														
11/11/04	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
														creek sample
														creek sample

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**June 1998 Through November 2004**  
**76 Station 4935**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-1 (Screen Interval in feet: 4.0-20.0)</b>														
06/16/98	157.44	5.03	0.00	152.41	-	ND	ND	ND	ND	ND	ND	ND	ND	--
10/02/98	157.44	5.83	0.00	151.61	-0.80	ND	ND	ND	ND	1.2	ND	1.4	ND	ND
12/26/98	157.44	4.78	0.00	152.66	1.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/26/99	157.44	4.31	0.00	153.13	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/99	157.44	5.55	0.00	151.89	-1.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/29/99	157.44	6.07	0.00	151.37	-0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/01/99	157.44	4.78	0.00	152.66	1.29	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/08/00	157.58	4.25	0.00	153.33	0.67	ND	ND	ND	ND	ND	ND	ND	ND	2.7
06/06/00	157.58	4.95	0.00	152.63	--	ND	ND	ND	ND	ND	ND	ND	ND	6.4
09/06/00	157.58	5.05	0.00	152.53	-0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/16/00	157.58	4.82	0.00	152.76	0.23	ND	ND	ND	ND	ND	ND	ND	ND	8.97
03/26/01	157.58	4.73	0.00	152.85	0.09	ND	ND	ND	ND	ND	ND	ND	ND	9.4
06/23/01	157.58	5.35	0.00	152.23	-0.62	ND	ND	ND	ND	ND	ND	ND	ND	6.7
09/08/01	157.58	5.42	0.00	152.16	-0.07	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.1
12/28/01	157.58	4.30	0.00	153.28	1.12	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.4
03/27/02	157.58	4.85	0.00	152.73	-0.55	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2
06/28/02	157.58	5.11	0.00	152.47	-0.26	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.4
08/14/02	157.58	5.80	0.00	151.78	-0.69	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0
12/09/02	157.58	5.05	0.00	152.53	0.75	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0
02/25/03	157.58	4.36	0.00	153.22	0.69	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0
05/08/03	157.58	4.11	0.00	153.47	0.25	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0
08/18/03	157.58	4.94	0.00	152.64	-0.83	--	ND<50	1.4	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0
11/12/03	157.58	4.98	0.00	152.60	-0.04	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0
02/18/04	157.58	3.98	0.00	153.60	1.00	--	68	ND<0.50	1.1	ND<0.50	2.7	--	--	ND<2.0

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**June 1998 Through November 2004**  
**76 Station 4935**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1 continued														
05/14/04	157.58	5.19	0.00	152.39	-1.21	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	5.3	
08/04/04	157.58	5.92	0.00	151.66	-0.73	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	ND<0.50	
11/11/04	157.58	4.50	0.00	153.08	1.42	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	4.9	
MW-2														
06/16/98	157.60	5.97	0.00	151.63	--	270	--	8.6	0.87	7.8	49	15	--	
10/02/98	157.60	6.86	0.00	150.74	-0.89	320	--	24	ND	38	5.3	14	11	
12/26/98	157.60	5.72	0.00	151.88	1.14	110	--	11	ND	6.3	6.6	15	6.6	
03/26/99	157.60	4.93	0.00	152.67	0.79	ND	--	ND	ND	ND	ND	11	3.7	
06/28/99	157.60	6.39	0.00	151.21	-1.46	74	--	14	ND	1.9	1	12	11	
09/29/99	157.60	6.81	0.00	150.79	-0.42	230	--	17.6	0.823	17.6	18.6	11.2	9.36	
12/01/99	157.60	5.41	0.00	152.19	1.40	ND	--	4.2	ND	0.71	ND	ND	3.2	
03/08/00	157.63	4.64	0.00	152.99	0.80	390	--	21	ND	21	25	45	27	
06/06/00	157.63	5.55	0.00	152.08	--	ND	--	1.82	ND	ND	ND	ND	14.5	16.2
09/06/00	157.63	5.78	0.00	151.85	-0.23	ND	--	5.2	ND	ND	ND	ND	26	15
12/16/00	157.63	5.59	0.00	152.04	0.19	ND	--	ND	ND	ND	ND	ND	8.26	7.58
03/26/01	157.63	5.33	0.00	152.30	0.26	116	--	11.2	ND	3.27	3.04	15.2	17	
06/23/01	157.63	6.17	0.00	151.46	-0.84	130	--	14	ND	9.8	16	30	13	
09/08/01	157.63	6.30	0.00	151.33	-0.13	96	--	6.9	ND<0.50	3.8	2.6	13	12	
12/28/01	157.63	5.29	0.00	152.34	1.01	140	--	9.6	ND<0.50	2.4	0.83	15	14	
03/27/02	157.63	5.40	0.00	152.23	-0.11	ND<50	--	0.77	ND<0.50	ND<0.50	ND<0.50	6.9	7.5	
06/28/02	157.63	5.84	0.00	151.79	-0.44	ND<50	--	1.7	ND<0.50	0.58	ND<0.50	9.1	11	
08/14/02	157.63	6.53	0.00	151.10	-0.69	ND<50	--	0.77	ND<0.50	ND<0.50	ND<0.50	3.3	5.4	
12/09/02	157.63	6.20	0.00	151.43	0.33	ND<50	--	ND<50	ND<50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
02/25/03	157.63	4.78	0.00	152.85	1.42	660	--	11	0.68	9.6	8.7	14	9.9	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**June 1998 Through November 2004**  
**76 Station 4935**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-2 continued</b>														
05/08/03	157.63	4.36	0.00	153.27	0.42	ND<50	--	2.3	ND<50	ND<50	ND<50	8.3	7.9	
08/18/03	157.63	5.61	0.00	152.02	-1.25	--	ND<50	5.6	ND<50	ND<50	ND<1.0	--	6.8	
11/12/03	157.63	5.80	0.00	151.83	-0.19	--	300	3.0	ND<50	3.6	2.9	--	5.6	
02/18/04	157.63	4.34	0.00	153.29	1.46	--	150	4.7	0.66	6.4	1.2	--	9.3	
05/14/04	157.63	5.53	0.00	152.10	-1.19	--	74	2.6	ND<50	0.70	ND<1.0	--	9.0	
08/04/04	157.63	6.12	0.00	151.51	-0.59	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	3.8	
11/11/04	157.63	5.82	0.00	151.81	0.30	--	260	2.7	ND<50	2.8	1.3	--	8.7	
<b>MW-3 (Screen Interval in feet: 4.0-20.0)</b>														
06/16/98	158.19	5.90	0.00	152.29	--	ND	--	ND	ND	ND	ND	ND	6.2	--
10/02/98	158.19	7.05	0.00	151.14	-1.15	ND	--	ND	ND	ND	ND	ND	10	8.1
12/26/98	158.19	5.70	0.00	152.49	1.35	ND	--	ND	ND	ND	ND	ND	6.6	5.1
03/26/99	158.19	4.80	0.00	153.39	0.90	ND	--	ND	ND	ND	ND	ND	10	2.5
06/28/99	158.19	6.55	0.00	151.64	-1.75	ND	--	ND	ND	ND	ND	ND	5.3	ND
09/29/99	157.19	7.05	0.00	150.14	-1.50	ND	--	ND	ND	ND	ND	ND	ND	5.3
12/01/99	157.19	5.70	0.00	151.49	1.35	ND	--	ND	ND	ND	ND	ND	5.7	3.6
03/08/00	157.19	4.50	0.00	152.69	1.20	ND	--	ND	ND	ND	ND	ND	6.2	4.4
06/06/00	157.19	5.70	0.00	151.49	--	ND	--	ND	ND	ND	ND	ND	15.1	
09/06/00	157.19	6.03	0.00	151.16	-0.33	ND	--	ND	ND	ND	ND	ND	20	12
12/16/00	158.19	5.94	0.00	152.25	1.09	ND	--	ND	ND	ND	ND	ND	7.86	5.98
03/26/01	158.19	5.12	0.00	153.07	0.82	ND	--	ND	ND	ND	ND	ND	19	20
06/23/01	158.19	6.48	0.00	151.71	-1.36	ND	--	ND	ND	ND	ND	ND	27	15
09/08/01	158.19	6.38	0.00	151.81	0.10	ND<50	--	ND<50	ND<50	ND<50	ND<0.50	ND<0.50	15	14
12/28/01	158.19	4.55	0.00	153.64	1.83	ND<50	--	ND<50	ND<50	ND<50	ND<0.50	ND<0.50	12	13
03/27/02	158.19	5.28	0.00	152.91	-0.73	ND<50	--	ND<50	ND<50	ND<50	ND<0.50	ND<0.50	17	19

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**June 1998 Through November 2004**

**76 Station 4935**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-3 continued</b>														
06/28/02	158.19	5.88	0.00	152.31	0.60	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	22	26
08/14/02	158.19	6.83	0.00	151.36	-0.95	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	7.5	12
12/09/02	158.19	6.19	0.00	152.00	0.64	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	12	13
02/25/03	158.19	4.31	0.00	153.88	1.88	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	11	10
05/08/03	158.19	4.04	0.00	154.15	0.27	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	6.2	6.5
08/18/03	158.19	5.61	0.00	152.58	-1.57	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	5.3
11/12/03	158.19	5.10	0.00	153.09	0.51	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	6.4
02/18/04	158.19	3.36	0.00	154.83	1.74	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	8.1
05/14/04	158.19	5.35	0.00	152.84	-1.99	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	3.1
08/04/04	158.19	5.98	0.00	152.21	-0.63	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	ND<0.50
11/11/04	158.19	3.66	0.00	154.53	2.32	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	1.2
<b>MW-4</b>														
06/16/98	157.59	4.98	0.00	152.61	--	ND	--	ND	ND	ND	ND	ND	2.6	--
10/02/98	157.59	6.13	0.00	151.46	-1.15	ND	--	ND	ND	0.8	ND	0.65	4.1	ND
12/26/98	157.59	4.97	0.00	152.62	1.16	ND	--	ND	ND	ND	ND	ND	ND	ND
03/26/99	157.59	4.18	0.00	153.41	0.79	ND	--	ND	ND	ND	ND	ND	ND	ND
06/28/99	157.59	5.56	0.00	152.03	-1.38	ND	--	ND	ND	ND	ND	ND	ND	ND
09/29/99	157.59	6.14	0.00	151.45	-0.58	ND	--	ND	ND	ND	ND	ND	ND	ND
12/01/99	157.59	4.75	0.00	152.84	1.39	ND	--	ND	ND	ND	ND	ND	ND	ND
03/08/00	157.60	3.71	0.00	153.89	1.05	ND	--	ND	ND	ND	ND	ND	ND	4.5
06/06/00	157.60	4.85	0.00	152.75	--	ND	--	ND	ND	ND	ND	ND	ND	ND
09/06/00	157.60	5.16	0.00	152.44	-0.31	ND	--	ND	ND	ND	ND	ND	ND	ND
12/16/00	157.60	5.02	0.00	152.58	0.14	ND	--	ND	ND	ND	ND	ND	ND	ND
03/26/01	157.60	4.41	0.00	153.19	0.61	ND	--	ND	ND	ND	ND	ND	0.717	ND

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**June 1998 Through November 2004**  
**76 Station 4935**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-4 continued</b>														
06/23/01	157.60	5.50	0.00	152.10	-1.09	ND	--	ND	ND	ND	ND	ND	ND	ND
09/08/01	157.60	5.57	0.00	152.03	-0.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.05	
12/28/01	157.60	4.50	0.00	153.10	1.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	0.8	
03/27/02	157.60	4.70	0.00	152.90	-0.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
06/28/02	157.60	5.04	0.00	152.56	-0.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
08/14/02	157.60	5.95	0.00	151.65	-0.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/09/02	157.60	5.24	0.00	152.36	0.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
02/25/03	157.60	3.47	0.00	154.13	1.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
05/08/03	157.60	3.15	0.00	154.45	0.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
08/18/03	157.60	4.68	0.00	152.92	-1.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/12/03	157.60	4.70	0.00	152.90	-0.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
02/18/04	157.60	2.58	0.00	155.02	2.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/14/04	157.60	4.23	0.00	153.37	-1.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/04/04	157.60	4.99	0.00	152.61	-0.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/11/04	157.60	3.42	0.00	154.18	1.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>MW-5 (Screen Interval in feet: 5.0-20.0)</b>														
03/31/00	157.54	4.67	0.00	152.87	--	140	--	5.0	18	4.4	21	1200	1400	
06/06/00	157.54	4.95	0.00	152.59	-0.28	535	--	73.8	ND	13	51.6	1980	3040	
09/06/00	157.54	5.13	0.00	152.41	-0.18	2400	--	290	230	26	620	7900	4500	
12/16/00	157.54	5.08	0.00	152.46	0.05	779	--	71.6	24.8	46.7	94.3	3060	2030	
03/26/01	157.54	4.37	0.00	153.17	0.71	78	--	2.42	2.13	2.34	5.72	155	190	
06/23/01	157.54	5.47	0.00	152.07	-1.10	ND	--	1.1	0.55	0.92	2.3	150	150	
09/08/01	157.54	5.41	0.00	152.13	0.06	ND<50	--	ND<0.50	ND<0.50	ND<0.50	1	73	83	
12/28/01	157.54	3.73	0.00	153.81	1.68	ND<50	--	1.1	ND<0.50	0.88	3.2	48	54	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**June 1998 Through November 2004**  
**76 Station 4935**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-5 continued</b>														
03/27/02	157.54	4.66	0.00	152.88	-0.93	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	360	440
06/28/02	157.54	5.00	0.00	152.54	-0.34	86	--	2.8	ND<50	1.7	9.8	400	440	
08/14/02	157.54	5.91	0.00	151.63	-0.91	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	150	170
D 12/09/02	157.54	5.57	0.00	151.97	0.34	430	--	9.7	1.2	0.52	ND<0.50	620	1100	
02/25/03	157.54	3.82	0.00	153.72	1.75	ND<50	--	--	--	--	--	--	--	1000
05/08/03	157.54	3.39	0.00	154.15	0.43	110	--	1.2	1.4	5.7	24	25	29	
08/18/03	157.54	4.74	0.00	152.80	-1.35	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	--	30
11/12/03	157.54	4.45	0.00	153.09	0.29	--	78	ND<50	ND<50	ND<50	ND<1.0	--	--	58
02/18/04	157.54	2.81	0.00	154.73	1.64	--	52	ND<50	ND<50	ND<50	ND<1.0	--	--	15
05/14/04	157.54	4.89	0.00	152.65	-2.08	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	--	18
08/04/04	157.54	5.53	0.00	152.01	-0.64	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	--	ND<0.50
11/11/04	157.54	3.73	0.00	153.81	1.80	--	52	ND<50	ND<50	ND<50	ND<1.0	--	--	11
<b>MW-5D (Screen Interval in feet: 65.0-70.0)</b>														
08/18/03	157.48	18.71	0.00	138.77	--	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	--	ND<2.0
11/12/03	157.48	19.60	0.00	137.88	-0.89	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	--	ND<2.0
02/18/04	157.48	15.60	0.00	141.88	4.00	--	230	5.2	39	3.7	63	--	--	ND<2.0
05/14/04	157.48	17.35	0.00	140.13	-1.75	--	56	ND<50	ND<50	ND<50	1.3	--	--	ND<0.50
08/04/04	157.48	18.04	0.00	139.44	-0.69	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	--	1.9
11/11/04	157.48	19.62	0.00	137.86	-1.58	--	ND<50	ND<50	0.62	ND<50	1.7	--	--	ND<0.50
<b>MW-6D (Screen Interval in feet: 34.0-40.0)</b>														
12/28/01	156.23	9.95	0.00	146.28	--	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	37	37
03/27/02	156.23	9.55	0.00	146.68	0.40	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	22	23
06/28/02	156.23	10.26	0.00	145.97	-0.71	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	22	19

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**June 1998 Through November 2004**  
**76 Station 4935**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-6D</b> continued														
08/14/02	156.23	12.15	0.00	144.08	-1.89	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	22	22
12/09/02	156.23	12.11	0.00	144.12	0.04	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0	ND<2.0
02/25/03	156.23	10.43	0.00	145.80	1.68	ND<50	--	ND<50	0.77	ND<50	0.80	9.7	7.2	
05/08/03	156.23	8.44	0.00	147.79	1.99	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	17	23
08/18/03	156.23	11.41	0.00	144.82	-2.97	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	37
11/12/03	156.23	13.25	0.00	142.98	-1.84	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	ND<2.0
02/18/04	156.23	8.77	0.00	147.46	4.48	--	58	ND<50	1.3	ND<50	ND<50	ND<1.0	--	40
05/14/04	156.23	9.10	0.00	147.13	-0.33	--	55	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	59
08/04/04	156.23	9.84	0.00	146.39	-0.74	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	2.0
11/11/04	156.23	10.85	0.00	145.38	-1.01	--	86	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	90
<b>MW-6S</b> (Screen Interval in feet: 6.0-20.0)														
12/28/01	156.51	5.30	0.00	151.21	--	ND<5000	--	ND<50	ND<50	ND<50	ND<50	ND<50	8900	8900
03/27/02	156.51	5.90	0.00	150.61	-0.60	ND<1000	--	ND<10	ND<10	ND<10	ND<10	ND<10	7700	9200
06/28/02	156.51	6.69	0.00	149.82	-0.79	ND<1000	--	ND<10	ND<10	ND<10	ND<10	ND<10	8600	9600
08/14/02	156.51	8.00	0.00	148.51	-1.31	3200	--	ND<10	ND<10	ND<10	ND<10	ND<10	6600	5400
12/09/02	156.51	--	--	--	--	--	--	--	--	--	--	--	--	--
02/25/03	156.51	5.27	0.00	151.24	--	230	--	0.90	ND<50	ND<50	ND<50	ND<50	440	590
05/08/03	156.51	5.11	0.00	151.40	0.16	81	--	ND<50	ND<50	ND<50	ND<50	ND<50	1.0	68
08/18/03	156.51	6.71	0.00	149.80	-1.60	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	--	46
11/12/03	156.51	6.18	0.00	150.33	0.53	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	2.9
02/18/04	157.54	4.22	0.00	153.32	2.99	--	62	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	36
05/14/04	157.54	5.45	0.00	152.09	-1.23	--	62	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	18
08/04/04	156.51	6.19	0.00	150.32	-1.77	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	1.7	
11/11/04	156.51	5.40	0.00	151.11	0.79	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	3.7	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**June 1998 Through November 2004**  
**76 Station 4935**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-7D</b> (Screen Interval in feet: 35.0-40.0)														
12/28/01	156.68	8.89	0.00	147.79	--	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0
03/27/02	156.68	11.92	0.00	144.76	-3.03	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0
06/28/02	156.68	10.90	0.00	145.78	1.02	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0
08/14/02	156.97	11.94	0.00	145.03	-0.75	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0
12/09/02	156.97	11.95	0.00	145.02	-0.01	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0
02/25/03	156.97	9.73	0.00	147.24	2.22	ND<50	--	ND<50	0.97	ND<50	0.88	ND<50	ND<50	ND<2.0
05/08/03	156.97	18.01	0.00	138.96	-8.28	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0
08/18/03	156.97	11.62	0.00	145.35	6.39	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0
11/12/03	156.97	11.47	0.00	145.50	0.15	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0
02/18/04	156.97	8.57	0.00	148.40	2.90	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0
05/14/04	156.97	14.27	0.00	142.70	-5.70	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.9
08/04/04	156.97	14.96	0.00	142.01	-0.69	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<0.50
11/11/04	156.97	5.20	0.00	151.77	9.76	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--
<b>MW-7S</b> (Screen Interval in feet: 5.0-20.0)														
12/28/01	156.97	5.35	0.00	151.62	--	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	9.7
03/27/02	156.97	5.97	0.00	151.00	-0.62	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	10
06/28/02	156.97	6.75	0.00	150.22	-0.78	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	11
08/14/02	156.68	7.50	0.00	149.18	-1.04	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	13
12/09/02	156.68	6.51	0.00	150.17	0.99	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	13
02/25/03	156.68	5.53	0.00	151.15	0.98	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	8.6
05/08/03	156.68	5.35	0.00	151.33	0.18	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	9.3
08/18/03	156.68	6.67	0.00	150.01	-1.32	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	6.2
11/12/03	156.68	6.03	0.00	150.65	0.64	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<5.0	ND<5.0	18
02/18/04	156.68	4.81	0.00	151.87	1.22	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	5.8

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**June 1998 Through November 2004**  
**76 Station 4935**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-7S continued</b>														
05/14/04	156.68	6.45	0.00	150.23	-1.64	—	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	—	—	8.0
08/04/04	156.68	6.45	0.00	150.23	0.00	—	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	—	—	ND<0.50
11/11/04	156.68	15.15	0.00	141.53	-8.70	—	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	—	—	1.9
<b>MW-8D</b>														
08/14/02	157.85	13.45	0.00	144.40	—	ND<50	—	0.52	ND<0.50	ND<0.50	0.89	ND<2.5	ND<2.5	2.8
12/09/02	157.85	12.91	0.00	144.94	0.54	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	ND<2.0
02/25/03	157.85	10.06	0.00	147.79	2.85	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	ND<2.0
05/08/03	157.85	9.72	0.00	148.13	0.34	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	ND<2.0
08/18/03	157.85	12.62	0.00	145.23	-2.90	—	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	—	—	ND<2.0
11/12/03	157.85	12.70	0.00	145.15	-0.08	—	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	—	—	ND<2.0
<b>MW-8DR</b>														
08/04/04	157.93	12.86	0.00	145.07	—	—	ND<2000	28	36	ND<20	110	—	1900	—
11/11/04	157.93	12.31	0.00	145.62	0.55	—	1600	21	16	ND<10	96	—	1300	—
<b>MW-8S</b>														
08/14/02	157.82	7.01	0.00	150.81	—	230	—	8.1	22	3.3	17	280	310	—
12/09/02	157.82	6.77	0.00	151.05	0.24	ND<500	—	ND<5.0	ND<5.0	ND<5.0	ND<5.0	120	100	—
02/25/03	157.82	4.71	0.00	153.11	2.06	97	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	170	140	—
05/08/03	157.82	4.35	0.00	153.47	0.36	130	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	290	300	—
08/18/03	157.82	5.95	0.00	151.87	-1.60	—	ND<500	ND<5.0	ND<5.0	ND<10	ND<10	—	300	—
11/12/03	157.82	5.55	0.00	152.27	0.40	—	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	—	—	ND<2.0
<b>MW-8SR</b>														
08/04/04	158.06	6.41	0.00	151.65	—	—	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	—	—	1.3
11/11/04	158.06	5.04	0.00	153.02	1.37	—	51	ND<0.50	0.57	ND<0.50	ND<1.0	—	—	1.5
<b>MW-9S</b>														
<b>(Screen Interval in feet: 5-20)</b>														
08/04/04	158.06	—	—	—	—	—	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	—	—	—
11/11/04	158.06	—	—	—	—	—	51	ND<0.50	0.57	ND<0.50	ND<1.0	—	—	—
<b>(Screen Interval in feet: 5-20)</b>														

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**June 1998 Through November 2004**  
**76 Station 4935**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-9S continued</b>														
08/18/03	156.94	6.61	0.00	150.33	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/12/03	156.94	6.05	0.00	150.89	0.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
02/18/04	156.94	4.50	0.00	152.44	1.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/14/04	156.94	6.06	0.00	150.88	-1.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/04/04	156.94	6.76	0.00	150.18	-0.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/11/04	156.94	4.75	0.00	152.19	2.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>MW-10S (Screen Interval in feet: 5.0-20.0)</b>														
08/18/03	154.18	7.56	0.00	146.62	--	--	7900	ND<10	ND<10	ND<10	ND<20	--	ND<40	
11/12/03	154.18	6.94	0.00	147.24	0.62	--	16000	ND<50	ND<50	ND<50	ND<100	--	ND<200	
02/18/04	154.18	6.75	0.00	147.43	0.19	--	13000	ND<25	ND<25	ND<25	ND<50	--	ND<100	
05/14/04	154.18	7.92	0.00	146.26	-1.17	--	13000	ND<25	ND<25	ND<25	ND<50	--	ND<25	
08/04/04	154.18	8.63	0.00	145.55	-0.71	--	6800	ND<25	ND<25	ND<25	ND<50	--	ND<25	
11/11/04	154.18	6.20	0.00	147.98	2.43	--	8400	ND<25	ND<25	ND<25	ND<50	--	ND<25	
<b>MW-11D (Screen Interval in feet: 43.0-48.0)</b>														
08/18/03	154.08	11.31	0.00	142.77	--	--	ND<50	ND<0.50	2.1	0.55	2.8	--	4.7	
11/12/03	154.08	10.85	0.00	143.23	0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.3	
02/18/04	154.08	8.50	0.00	145.58	2.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.1	--	ND<2.0	
05/14/04	154.08	9.98	0.00	144.10	-1.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/04/04	154.05	10.62	0.00	143.43	-0.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/11/04	154.05	10.35	0.00	143.70	0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.5	
<b>MW-11S (Screen Interval in feet: 5.0-20.0)</b>														
08/18/03	154.05	7.79	0.00	146.26	--	--	250	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.7	
11/12/03	154.05	7.26	0.00	146.79	0.53	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
02/18/04	154.05	4.75	0.00	149.30	2.51	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.4	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**June 1998 Through November 2004**  
**76 Station 4935**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-11S continued</b>														
05/14/04	154.05	7.55	0.00	146.50	-2.80	--	270	ND<0.50	ND<0.50	ND<1.0	--	--	0.91	
08/04/04	154.08	8.19	0.00	145.89	-0.61	--	170	ND<0.50	ND<0.50	ND<1.0	--	--	6.9	
11/11/04	154.08	6.80	0.00	147.28	1.39	--	200	ND<0.50	ND<0.50	ND<1.0	--	--	3.1	
<b>MW-12S (Screen Interval in feet: 5.0-20.0)</b>														
08/18/03	153.80	7.79	0.00	146.01	--	--	1500	ND<1.0	ND<1.0	ND<2.0	--	--	ND<4.0	
11/12/03	153.80	6.92	0.00	146.88	0.87	--	2800	ND<10	ND<10	ND<20	--	--	ND<40	
02/18/04	153.80	6.25	0.00	147.55	0.67	--	2200	ND<10	ND<10	ND<20	--	--	ND<40	
05/14/04	153.80	7.07	0.00	146.73	-0.82	--	3200	ND<10	ND<10	ND<20	--	--	ND<10	
08/04/04	153.80	7.72	0.00	146.08	-0.65	--	2300	ND<10	ND<10	ND<20	--	--	ND<10	
11/11/04	153.80	6.22	0.00	147.58	1.50	--	2800	ND<10	ND<10	ND<20	--	--	ND<10	
<b>STREAM-DOWN (Screen Interval in feet: DNA)</b>														
08/18/03	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0	
11/12/03	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry
05/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry
08/04/04	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry
11/11/04	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50	creek sample
<b>STREAM-UP (Screen Interval in feet: DNA)</b>														
08/18/03	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
11/12/03	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry
05/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry
08/04/04	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry
11/11/04	--	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 4935**

MW-1	Date Sampled	TPH-D	EDC	Acetone	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBEE 8260B	Methanol 8015B	Ethanol 8260B	1,2 DCE
		( $\mu\text{g/l}$ )										
10/02/98	-	-	-	-	-	-	ND	ND	2	ND	-	ND
12/26/98	-	-	-	-	-	-	ND	ND	ND	-	ND	-
03/26/99	-	-	-	-	-	-	ND	ND	ND	-	ND	-
06/28/99	-	-	-	-	-	-	ND	ND	ND	-	ND	-
09/29/99	-	-	-	-	-	-	ND	ND	2.62	ND	-	ND
12/01/99	-	-	-	-	-	-	ND	ND	ND	-	ND	-
03/08/00	-	-	-	-	-	-	ND	ND	2.4	ND	-	ND
06/06/00	-	-	-	-	-	-	ND	ND	1.15	ND	-	ND
09/06/00	-	-	-	-	-	-	ND	ND	ND	-	ND	-
12/16/00	-	-	-	-	-	-	ND	ND	ND	-	ND	-
03/26/01	-	-	-	-	-	-	ND	ND	ND	-	ND	ND
06/23/01	-	-	-	-	-	-	ND	ND	ND	-	ND	ND
09/08/01	-	-	-	-	-	-	ND<0.50	ND<1.0	ND<20	1.0	ND<1.0	-
12/28/01	-	-	-	-	-	-	ND<0.50	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<0.50
03/27/02	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<2.0
06/28/02	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<2.0
08/14/02	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<2.0
12/09/02	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<2.0
02/25/03	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<2.0
05/08/03	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<2.0
08/18/03	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<2.0
11/12/03	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<2.0
02/18/04	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<2.0
05/14/04	-	-	-	-	-	-	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<50	-
08/04/04	-	-	-	-	-	-	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<50	-
11/11/04	ND<50	-	-	-	-	-	ND<0.50	ND<5.0	1.3	ND<0.50	ND<10	ND<50

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 4935**

MW-2	Date Sampled	TPH-D	EDC	Acetone	EDB	TAME	TBA	DIPE	ETBE	Methanol	Ethanol	1,2 DCE
						( $\mu\text{g/l}$ )						
10/02/98	-	-	-	-	-	-	-	-	-	-	-	-
12/26/98	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
03/26/99	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
06/28/99	-	-	-	-	-	-	ND	ND	2.2	ND	ND	-
09/29/99	-	-	-	-	-	-	ND	ND	2.1	ND	ND	-
12/01/99	-	-	-	-	-	-	ND	ND	2.2	ND	ND	-
03/08/00	-	-	-	-	-	-	ND	ND	2.2	ND	ND	-
06/06/00	-	-	-	-	-	-	ND	ND	2.5	ND	ND	-
09/06/00	-	-	-	-	-	-	ND	ND	2.3	ND	ND	-
12/16/00	-	-	-	-	-	-	ND	ND	2.58	ND	ND	-
03/26/01	-	-	-	-	-	-	ND	ND	2.5	ND	-	ND
06/23/01	-	-	-	-	-	-	ND	ND	2.3	ND	-	ND
09/08/01	-	-	-	-	-	-	ND<1.0	ND<20	1.8	ND<1.0	-	ND<100
12/28/01	-	-	-	-	-	-	ND<1.0	ND<40	ND<2.0	ND<2.0	-	ND<200
03/27/02	-	-	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500
06/28/02	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500
08/14/02	-	-	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500
12/09/02	-	-	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500
02/25/03	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500
05/08/03	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500
08/18/03	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500
11/12/03	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500
02/18/04	-	-	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500
05/14/04	-	-	-	-	-	-	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<50	-
08/04/04	-	-	-	-	-	-	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<50	-
11/11/04	ND<50	-	-	-	-	-	ND<0.50	ND<5.0	1.1	ND<0.50	ND<10	ND<50

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 4935**

Date Sampled	TPH-D	EDC	Acetone	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Methanol 8015B	Ethanol 8260B	1,2-DCE ( $\mu\text{g/l}$ )
	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )							
<b>MW-3</b>											
10/02/98	-	-	-	-	-	ND	ND	ND	ND	ND	-
12/26/98	-	-	-	-	-	ND	ND	ND	ND	ND	-
03/26/99	-	-	-	-	-	ND	ND	ND	ND	ND	-
06/28/99	-	-	-	-	-	ND	ND	ND	ND	ND	-
09/29/99	-	-	-	-	-	ND	ND	ND	ND	ND	-
12/01/99	-	-	-	-	-	ND	ND	ND	ND	ND	-
03/08/00	-	-	-	-	-	ND	ND	ND	ND	ND	-
06/06/00	-	-	-	-	-	ND	ND	ND	ND	ND	-
09/06/00	-	-	-	-	-	ND	ND	ND	ND	ND	-
12/16/00	-	-	-	-	-	ND	ND	ND	ND	ND	-
03/26/01	-	-	-	-	ND	ND	ND	ND	ND	ND	-
06/23/01	-	-	-	-	ND	ND	ND	ND	ND	ND	-
09/08/01	-	-	-	ND<0.50	ND<1.0	ND<20	ND<1.0	ND<1.0	ND	ND	ND<0.50
12/28/01	-	-	-	ND<0.50	ND<1.0	ND<20	ND<1.0	ND<1.0	-	ND<100	ND<0.50
03/27/02	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500	ND<2.0
06/28/02	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500	ND<2.0
08/14/02	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500	ND<2.0
12/09/02	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500	ND<2.0
02/25/03	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500	ND<2.0
05/08/03	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500	ND<2.0
08/18/03	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500	-
11/12/03	-	-	ND<2.0	-	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500	-
02/18/04	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500	ND<2.0
05/14/04	-	ND<0.50	-	ND<0.50	ND<0.50	ND>5.0	ND<1.0	ND<0.50	-	ND<50	-
08/04/04	-	ND<0.50	-	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	-	ND<50	-
11/11/04	ND<50	-	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<10	ND<50	-

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 4935**

MW-4	Date Sampled	TPH-D	EDC	Acetone	EDB	TAME	TBA	DIPE	ETBE	Methanol	Ethanol	1,2 DCE
		( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )							
10/02/98	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
12/26/98	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
03/26/99	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
06/28/99	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
09/29/99	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
12/01/99	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
03/08/00	-	-	-	-	-	-	ND	ND	ND	6.7	ND	-
06/06/00	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
09/06/00	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
12/16/00	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
03/26/01	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
06/23/01	-	-	-	-	-	-	ND	ND	ND	ND	ND	-
09/08/01	-	-	-	-	-	-	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	ND<0.50
12/28/01	-	-	-	-	-	-	ND<1.0	ND>20	ND<1.0	ND<1.0	ND<100	ND<0.50
03/27/02	-	-	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
06/28/02	-	-	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
08/14/02	-	-	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
12/09/02	-	-	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
02/25/03	-	-	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
05/08/03	-	-	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
08/18/03	-	-	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	-
11/12/03	-	-	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	-
02/18/04	-	-	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
05/14/04	-	-	-	-	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	-
08/04/04	-	-	-	-	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	-
11/11/04	ND<50	-	-	-	-	-	ND<0.50	ND<1.0	ND<0.50	ND<10	ND<50	-

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 4935**

Date Sampled	TPH-D	EDC	Acetone	EDB	TAME	TBA	DIPE	ETBEE	Methanol	Ethanol	1,2-DCE
( $\mu\text{g/l}$ )	(mg/l)	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )								
<b>MW-5</b>											
03/31/00	-	-	-	-	-	18	ND	ND	ND	ND	-
06/06/00	-	-	-	-	-	ND	ND	ND	ND	ND	-
09/06/00	-	-	-	-	-	ND	960	ND	ND	ND	-
12/16/00	-	-	-	-	-	ND	ND	ND	ND	ND	-
03/26/01	-	-	-	-	ND	ND	ND	ND	ND	ND	-
06/23/01	-	-	-	-	ND	ND	ND	ND	ND	ND	-
09/08/01	-	-	-	-	ND<5.0	ND<10	ND>200	ND<10	ND	ND<1000	ND<5.0
12/28/01	-	-	-	-	ND<1.0	ND<2.0	ND<40	ND<2.0	ND<2.0	ND<200	ND<1.0
03/27/02	-	-	-	-	ND<20	ND<20	ND<1000	ND<20	ND<20	ND<5000	ND<20
06/28/02	-	-	-	-	ND<40	ND<40	ND<2000	ND<40	ND<40	ND<10000	ND<40
08/14/02	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
12/09/02	-	-	-	-	ND<2.0	ND<2.0	840	ND<2.0	ND<2.0	ND<500	ND<2.0
02/25/03	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
05/08/03	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
08/18/03	-	-	ND<2.0	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	-
11/12/03	-	-	ND<2.0	-	ND<2.0	ND<2.0	260	ND<2.0	ND<2.0	ND<500	-
02/18/04	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
05/14/04	-	-	ND<0.50	-	ND<0.50	ND<0.50	21	ND<1.0	ND<0.50	ND<50	-
08/04/04	-	-	ND<0.50	-	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	-
11/11/04	ND<50	-	-	-	-	ND<0.50	39	ND<1.0	ND<0.50	ND<50	-
<b>MW-5D</b>											
11/11/04	ND<50	-	-	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	-
<b>MW-6D</b>											
12/28/01	-	-	-	-	ND<1.0	ND<2.0	ND<40	ND<2.0	ND<500	ND<200	ND<1.0
03/27/02	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0
06/28/02	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 4935**

Date Sampled	TPH-D	EDC	Acetone	EDB	TAME	TBA	DIPE	ETBE	Methanol	Ethanol	1,2 DCE
	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )							
<b>MW-6D continued</b>											
08/14/02	--	--	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	--	ND<500	ND<2.0
12/09/02	--	--	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	--	ND<500	ND<2.0
02/25/03	--	--	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	--	ND<500	ND<2.0
05/08/03	--	--	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	--	ND<500	ND<2.0
08/18/03	--	ND>2.0	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	--	ND<500	--
11/12/03	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	--	ND<500	--
02/18/04	--	ND<2.0	ND<50	--	ND<2.0	ND<2.0	ND<100	ND<2.0	--	ND<500	--
05/14/04	--	ND<0.50	ND<50	--	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	ND<50
08/04/04	--	ND<0.50	ND<50	--	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	ND<50
11/11/04	ND<50	--	--	--	ND<0.50	7.3	ND<1.0	ND<0.50	ND<10	ND<50	--
<b>MW-6S</b>											
12/28/01	--	--	--	--	ND<250	ND<500	ND<1000	ND<500	ND<500	ND<50000	ND<250
03/27/02	--	--	--	--	ND<500	ND<500	ND<25000	ND<500	--	ND<120000	ND<500
06/28/02	--	--	--	--	ND<400	ND<400	ND<20000	ND<400	--	ND<100000	ND<400
08/14/02	--	--	--	--	ND<100	ND<100	ND<5000	ND<100	--	ND<25000	ND<100
02/25/03	--	--	--	--	ND<20	ND<20	5000	ND<20	--	ND<5000	ND<20
05/08/03	--	--	--	--	ND<20	ND<2.0	4800	ND<2.0	--	ND<500	ND<2.0
08/18/03	--	ND<20	--	--	ND<20	ND<20	2600	ND<20	--	ND<500	--
11/12/03	--	ND<2.0	ND<50	--	ND<2.0	ND<2.0	ND<100	ND<2.0	--	ND<500	--
02/18/04	--	ND<2.0	--	--	ND<2.0	ND<2.0	960	ND<2.0	--	ND<500	--
05/14/04	--	ND<0.50	--	--	ND<0.50	ND<0.50	760	ND<1.0	ND<0.50	--	ND<50
08/04/04	--	ND<0.50	--	--	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	ND<50
11/11/04	ND<50	--	--	--	ND<0.50	98	ND<1.0	ND<0.50	ND<10	ND<50	--
<b>MW-7D</b>											
12/28/01	--	--	--	--	ND<1.0	ND<2.0	ND<40	ND<2.0	ND<500	ND<200	ND<1.0
03/27/02	--	--	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	--	ND<500	ND<2.0

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 4935**

Date Sampled	TPH-D	EDC	Acetone	EDB	TAME	TBA	DPE	ETBEE	Methanol	Ethanol	1,2 DCE
	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )						
<b>MW-7D continued</b>											
06/28/02	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0
08/14/02	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0
12/09/02	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0
02/25/03	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0
05/08/03	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0
08/18/03	-	-	ND<2.0	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	-
11/12/03	-	-	ND<2.0	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	-
02/18/04	-	-	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	-
05/14/04	-	-	ND<0.50	ND<50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	-	ND<50	-
08/04/04	-	-	ND<0.50	ND<50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	-	ND<50	-
11/11/04	ND<50	-	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<10	ND<50	-
<b>MW-7S</b>											
12/28/01	-	-	-	-	ND<0.50	ND<1.0	ND<20	ND<1.0	-	ND<100	ND<0.50
03/27/02	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0
06/28/02	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0
08/14/02	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0
12/09/02	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0
02/25/03	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0
05/08/03	-	-	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	ND<2.0
08/18/03	-	-	ND<2.0	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	-
11/12/03	-	ND<10	ND<200	ND<10	-	ND<2.0	ND<100	ND<10	-	ND<500	-
02/18/04	-	ND<2.0	-	-	ND<2.0	ND<2.0	ND<100	ND<2.0	-	ND<500	-
05/14/04	-	ND<0.50	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	-	ND<50	-
08/04/04	-	ND<0.50	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	-	ND<50	-
11/11/04	ND<50	-	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<10	ND<50	-

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 4935**

Date Sampled	TPH-D	EDC	Acetone	EDB	TAME	TBA	DIPE	ETBE	Methanol	Ethanol	1,2 DCE
( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )
<b>MW-8D continued</b>											
08/14/02	--	--	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
12/09/02	--	--	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
02/25/03	--	--	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
05/08/03	--	--	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
08/18/03	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--
11/12/03	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--
<b>MW-8DR</b>											
08/04/04	--	ND<20	--	--	ND<20	270	ND<40	ND<20	--	ND<2000	--
11/11/04	180	--	--	--	ND<10	680	ND<20	ND<10	ND<10	ND<1000	--
<b>MW-8S</b>											
08/14/02	--	--	--	--	ND<5.0	ND<5.0	ND<250	ND<5.0	ND<5.0	ND<1200	ND<5.0
12/09/02	--	--	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
02/25/03	--	--	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
05/08/03	--	--	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
08/18/03	--	ND<20	--	--	ND<20	ND<20	ND<1000	ND<20	ND<20	ND<5000	--
11/12/03	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--
<b>MW-8SR</b>											
08/04/04	--	ND<0.50	--	--	ND<0.50	ND<0.50	ND<1.0	ND<0.50	--	ND<50	--
11/11/04	ND<50	--	--	--	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<10	ND<50	--
<b>MW-9S</b>											
11/11/04	ND<50	--	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<10	ND<50	--
<b>MW-10S</b>											
11/11/04	ND<50	--	--	--	ND<25	ND<250	ND<50	ND<25	ND<10	ND<2500	--
<b>MW-11D</b>											
11/11/04	ND<50	--	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<10	ND<50	--

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 4935**

Date Sampled	TPH-D	EDC	Acetone	EDB	TAME	TBA	DIPE	ETBE	Methanol	Ethanol	1,2 DCE
	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )							
<b>MW-11S</b>											
11/11/04	ND<50	--	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<10	ND<50	--
<b>MW-12S</b>											
11/11/04	ND<50	--	--	--	ND<10	ND<100	ND<20	ND<10	ND<10	ND<1000	--
<b>STREAM-DOWN</b>											
11/11/04	110	--	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<10	ND<50	--
<b>STREAM-UP</b>											
11/11/04	1400	--	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<10	ND<50	--

# **COORDINATED EVENT DATA**

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2145 Mendocino Avenue**  
**Santa Rosa, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	MTBE 8260 (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TAME (ug/L)	TAME (ug/L)	TBA (ug/L)	TBA (ug/L)	PCP (ug/L)	PCP (ug/L)	TCF (ug/L)	TCF (ug/L)	Vinyl chloride (ug/L)	Vinyl chloride (ug/L)	1,1'- ethane diol (ug/L)	1,1'- ethane diol (ug/L)	TOC (ug/L)	TOC (ug/L)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)	
S-1	06/18/1991	100	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	08/05/1991	70	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	01/28/1992	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	02/14/1992	100a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	03/18/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	04/23/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	05/20/1992	ND	1.3	2.5	1.3	9.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	06/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	08/06/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	11/24/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	02/23/1993	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1 (D)	02/23/1993	80a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	05/19/1993	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1 (D)	05/19/1993	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	08/24/1993	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	11/30/1993	60	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	02/15/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	05/19/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	08/18/1994	Well inaccessible	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	11/10/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	02/16/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1 (D)	02/16/1995	70	ND	0.6	ND	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	05/23/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1 (D)	05/23/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	08/16/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	01/29/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	08/12/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	02/15/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	07/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	02/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	08/12/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	02/26/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	08/09/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	02/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	08/23/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	01/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	MTBE 8020 8260	DPE (ug/L)	TB <sub>3</sub> (ug/L)	TAME (ug/L)	TB <sub>4</sub> (ug/L)	DCE (ug/L)	PCP (ug/L)	TCF (ug/L)	VOCs (ug/L)	Acetone (ug/L)	Chloro ethane 1,1,1,- Trichloro ethane 1,1,1,- DCE CFS-1,2- Dichloro ethane CFS-1,2- trans-1,2- DCE 1,1,1,- Trichloro ethane PCP (ug/L)	TOC (ug/L)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)		
S-2	08/16/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	7.08	150.21	NA
S-2	01/29/1996	120	3.8	0.55	ND	0.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	5.45	151.84	NA
S-2	08/12/1996	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	7.60	149.69	NA
S-2	02/26/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	6.88	150.61	NA
S-2	07/30/1997	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	7.71	149.58	NA
S-2	02/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	4.92	152.37	NA
S-2	08/21/1998	66	ND	ND	3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	6.48	150.81	NA
S-2	02/15/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	4.96	152.33	NA
S-2	08/09/1999	99.2	1.08	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	8.08	149.21	1.3
S-2	02/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	6.00	151.29	NA
S-2	08/23/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	7.55	149.74	2.0
S-2	01/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	6.36	150.93	NA
S-2	08/21/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.29	8.10	149.19	2.4
S-2	02/26/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.27	5.91	151.36	NA
S-2	05/15/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	1.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	157.27	6.97	150.30	1.6
S-2	08/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	0.87	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	157.27	8.08	149.19	0.4
S-2	12/10/2002	99	<0.50	<0.50	<0.50	<0.50	NA	<1.0	NA	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	157.27	7.08	150.19	0.6
S-2	02/25/2003	180	<0.50	<0.50	<0.50	<0.50	NA	6.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	157.27	5.94	150.94	0.5
S-2	05/08/2003	66	<0.50	<0.50	<0.50	<0.50	NA	5.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	157.27	6.15	151.12	1.1
S-2	08/18/2003	71	<0.50	<0.50	<0.50	<0.50	NA	0.80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	157.27	7.40	149.87	1.2
S-2	11/12/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	1.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	157.27	7.10	150.17	0.7
S-2	02/24/2004	60	<0.50	<0.50	<0.50	<0.50	NA	4.5	NA	NA	<2.0	NA	<2.0	NA	<2.0	NA	<2.0	NA	<2.0	<2.0	157.27	5.94	151.33	0.1
S-2	05/14/2004	<50	<0.50	<0.50	<0.50	<0.50	NA	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.27	6.80	150.47	0.2
S-2	07/22/2004	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	<2.0	NA	<2.0	NA	<2.0	NA	<2.0	<2.0	NA	<0.50	NA	157.27	7.63	149.64	0.9
S-2	11/11/2004	51	<0.50	<0.50	<0.50	<0.50	NA	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	NA	<0.50	NA	150.67	0.3	
S-3	06/18/1991	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
S-3	08/05/1991	210	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
S-3	01/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
S-3	02/14/1992	350	7.6	3.8	6.4	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.75	150.70	NA
S-3	03/18/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
S-3	04/23/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
S-3	05/20/1992	30	1.8	2.7	2.3	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
S-3	06/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
S-3	08/06/1992	ND	ND	ND	ND	0.8	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
S-3	11/24/1992	170a	ND	ND	ND	0.8	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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Well ID	Date	TPPH ( $\mu\text{g/L}$ )	B ( $\mu\text{g/L}$ )	T ( $\mu\text{g/L}$ )	E ( $\mu\text{g/L}$ )	X ( $\mu\text{g/L}$ )	MTBE 8020 ( $\mu\text{g/L}$ )	MTBE 8260 ( $\mu\text{g/L}$ )	TAME		ETBE ( $\mu\text{g/L}$ )	DPE ( $\mu\text{g/L}$ )	TCF ( $\mu\text{g/L}$ )	PCP ( $\mu\text{g/L}$ )	1,1,1-trichloroethane ( $\mu\text{g/L}$ )	1,1,2-trichloroethane ( $\mu\text{g/L}$ )	Acetone ( $\mu\text{g/L}$ )	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
									TA	BA										
S-3	02/23/1993	70a	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	4.23	152.22	
S-3	05/19/1993	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	5.58	150.87	
S-3	08/24/1993	130a	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	5.91	150.54	
S-3	11/30/1993	90a	0.7	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	4.80	151.65	
S-3	02/15/1994	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	4.80	151.65	
S-3 (D)	02/15/1994	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	4.80	151.65	
S-3	05/19/1994	60a	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	5.59	150.86	
S-3 (D)	05/19/1994	70a	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	5.59	150.86	
S-3	08/18/1994	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	5.58	150.87	
S-3 (D)	08/18/1994	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	5.58	150.87	
S-3	11/10/1994	ND	1.4	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	4.51	151.94	
S-3 (D)	11/10/1994	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	4.51	151.94	
S-3	02/16/1995	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	5.48	150.97	
S-3 (D)	02/16/1995	70	ND	0.6	ND	2.3	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	5.48	150.97	
S-3	05/23/1995	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	5.27	151.18	
S-3	08/16/1995	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	6.13	150.32	
S-3	01/29/1996	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	4.50	151.95	
S-3	08/12/1996	58	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	6.25	150.20	
S-3	02/26/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.45	5.68	150.77	
S-3	07/30/1997	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	6.33	150.12	
S-3	02/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.45	4.21	152.24	
S-3	08/21/1998	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	156.45	6.79	149.66	
S-3	02/15/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.45	6.20	150.25	
S-3	08/09/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	156.45	6.88	149.57	
S-3	02/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.45	6.88	149.57	
S-3	08/23/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	156.45	5.10	151.35	
S-3	01/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.45	6.04	150.41	
S-3	08/21/2001	64a	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.00	NA	NA	NA	NA	NA	NA	NA	156.45	5.30	151.15	
S-3	02/26/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.45	6.70	149.75	
S-3	05/15/2002	52	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	156.68	4.52	152.16	
S-3	08/14/2002	210	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	156.68	5.74	150.94
S-3	12/10/2002	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	156.68	7.00	149.68	
S-3	02/25/2003	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<0.50	150.87	
S-3	05/08/2003	81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	156.68	5.18	151.50	
S-3	08/18/2003	83 f	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	156.68	5.10	151.58	
S-3	11/12/2003	74 f	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	156.68	6.30	150.38	
S-3																	156.68	6.15	150.53	

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	EPA DPL (ug/L)	NAME TBA (ug/L)	PCP (ug/L)	Vinyl Chloride (ug/L)	TCE (ug/L)	TCF (ug/L)	TOC (ug/L)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)			
S-3	02/24/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	<0.50	NA	<0.50	NA	<0.50	NA	156.88	4.83	151.80	0.1	
S-3	05/14/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	<0.50	NA	<0.50	NA	<0.50	NA	156.88	5.80	150.88	0.1	
S-3	07/22/2004	100 f	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	<0.50	NA	<0.50	NA	<0.50	NA	156.88	6.56	150.12	1.1	
S-3	11/11/2004	<50 g	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	<0.50	NA	<0.50	NA	<0.50	NA	156.88	5.47	151.21	0.6	
S-4	06/18/1991	780	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
S-4	08/05/1991	1,200	71	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
S-4	01/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	6.65	149.49	NA
S-4	02/14/1992	1,600	34	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	5.60	150.54	NA
S-4	03/18/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	5.59	150.55	NA
S-4	04/23/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	6.25	149.89	NA
S-4	05/20/1992	720	ND	2.6	7.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	6.86	149.28	NA
S-4	06/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	7.61	148.53	NA
S-4	08/06/1992	980	38	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	8.10	148.04	NA
S-4	11/24/1992	670	3.5	0.6	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	7.02	149.12	NA
S-4	02/23/1993	6,600	290	67	49	170	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	151.34	NA	
S-4	05/19/1993	4,800	400	6.4	150	85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	6.49	149.85	NA
S-4	08/24/1993	4,900	390	1.1	12	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	7.13	149.01	NA
S-4	11/30/1993	2,400	32	ND	0.7	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	5.92	150.22	NA
S-4 (D)	11/30/1993	2,000	36	ND	1.0	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	5.92	150.22	NA
S-4	02/15/1994	1,600	46	2.0	ND	0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	5.88	150.26	NA
S-4	05/19/1994	1,800	34	0.9	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	6.37	149.77	NA
S-4	08/18/1994	3,500	130	24	ND	6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	6.37	149.77	NA
S-4	11/10/1994	6,200	1,300	1,200	105	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	5.72	150.42	NA
S-4 (D)	11/10/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	5.72	150.42	NA
S-4	02/16/1995	8,200	210	3.0	330	1,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	5.80	150.34	NA
S-4	05/23/1995	4,800	170	2.0	12	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	6.25	149.89	NA
S-4	08/16/1995	3,200	140	13	32	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	7.53	148.61	NA
S-4 (D)	08/16/1995	3,100	140	11	32	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	7.53	148.61	NA
S-4	01/29/1996	1,400	37	3.3	ND	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	6.54	149.60	NA
S-4 (D)	01/29/1996	1,400	28	2.2	ND	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	5.23	150.91	NA
S-4	08/12/1996	690	ND	ND	770	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	7.27	148.87	NA
S-4 (D)	08/12/1996	680	ND	ND	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	7.27	148.87	NA
S-4	02/26/1997	790	15	6.5	0.92	4.1	590	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	5.23	150.91	NA
S-4 (D)	02/26/1997	720	12	5.9	1.2	3.9	430	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	6.54	149.60	NA
S-4	07/30/1997	710	7.1	ND	ND	910	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	7.80	148.34	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	EPA (ug/L)	TB <sub>A</sub> (ug/L)	TAMF (ug/L)	ETBE (ug/L)	DPE (ug/L)	PCP (ug/L)	TCF (ug/L)	Trichloro ethane 1,1,1,- trans-1,2- DCE Cis-1,2- DCE Chloro ethane 1,1,1,- DCE	PCP (ug/L)	TCF (ug/L)	Trichloro ethane 1,1,1,- DCE Cis-1,2- DCE Chloro ethane 1,1,1,- DCE	TOC (ug/L)	Chloride (ug/L)	Vinyl Acetate (ug/L)	TOC (ug/L)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)	
S-4 (D)	07/30/1997	680	6.0	ND	ND	530	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.34	NA
S-4	02/10/1998	3,800	51	ND	280	520	5,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	151.50	NA
S-4 (D)	02/10/1998	3,400	46	ND	240	450	5,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	151.50	NA
S-4	08/21/1998	5,900	150	ND	ND	24	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.98	NA
S-4 (D)	08/21/1998	5,400	150	ND	ND	33	2,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.98	NA
S-4	02/15/1999	1,680	99.7	<5.00	<5.00	<5.00	1,270	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.14	5.80
S-4	08/09/1999	1,430	33.4	<5.00	<5.00	<5.00	11,200	19,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.56	1.8
S-4	02/10/2000	1,540	1.79	2.79	<1.00	1.39	2,250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150.15	1.3
S-4	08/23/2000	845	62.5	2.52	<0.500	2.16	1,160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.97	1.0
S-4	01/24/2001	4,000	63	<5.0	64	400	NA	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	149.52	0.7
S-4	08/21/2001	1,900	22	1.9	<1.0	4.6	NA	650	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.49	0.9
S-4	02/26/2002	620	1.6	<1.0	<1.0	<1.0	NA	380	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	149.88	1.0
S-4	05/15/2002	550	<1.0	<1.0	<1.0	<1.0	NA	410	<2.0	<2.0	42	<50	NA	<1.0	NA	<1.0	NA	10	NA	NA	NA	NA	NA	NA	148.98	3.2	
S-4	08/14/2002	860	5.8	<1.0	<1.0	1.5	NA	330	<2.0	<2.0	32	<50	NA	<1.0	NA	<1.0	NA	<10	NA	NA	NA	NA	NA	NA	147.58	0.6	
S-4	12/10/2002	990	2.8	<0.50	<0.50	1.2	NA	310	<2.0	<2.0	25	<50	<0.50	<0.50	NA	<0.50	<0.50	5.6	NA	NA	NA	NA	NA	NA	148.74	0.7	
S-4	02/26/2003	550	21	0.86	<0.50	<0.50	NA	330	<2.0	<2.0	20	<50	<0.50	<0.50	NA	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	149.86	0.4	
S-4	05/08/2003	460	1.3	<0.50	<0.50	<0.50	NA	200	<2.0	<2.0	11	<50	<0.50	<0.50	NA	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	NA	150.03	1.0	
S-4	08/18/2003	610 f	<2.5	<2.5	<2.5	<5.0	NA	320	<10	<10	24	<25	<2.5	<2.5	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	NA	NA	148.53	1.3	
S-4	11/12/2003	1,300	<2.5	<2.5	<5.0	NA	270	<10	<10	21	<25	<2.0	<2.0	<2.0	NA	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	148.32	0.4	
S-4	02/24/2004	14,000	950	4,400	400	1,900	NA	250	NA	<100	NA	<2.5	NA	<2.5	NA	<2.5	<2.5	NA	<2.5	NA	<2.5	NA	<2.5	NA	150.46	0.1	
S-4	05/14/2004	14,000	530	170	2,400	NA	210	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	148.98	0.1	
S-4	07/22/2004	10,000	240	43	630	2,400	NA	140	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	148.22	0.6	
S-4	11/11/2004	4,100	51	<2.5	97	110	NA	66	<10	<10	41	<10	<10	<10	<10	<10	<10	<2.0	NA	<2.0	<2.0	<2.0	<2.0	NA	149.47	0.2	
MW-1A	08/18/1991	ND	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1A	08/05/1991	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1A	01/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	149.08
MW-1A	02/14/1992	450	12	39	9.6	58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.42
MW-1A	03/18/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	149.00
MW-1A	04/23/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	149.00
MW-1A	05/20/1992	80	0.9	3.7	2.1	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	149.28
MW-1A	06/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.86
MW-1A	08/08/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.32
MW-1A	11/24/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.47
MW-1A	02/23/1993	110a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1A	05/19/1993	920a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	EPA (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	PCP (ug/L)	1,1,1,- Trichloro ethane (ug/L)	1,1,1,- Trichloro ethane (ug/L)	TCE (ug/L)	1,1,1,- Trichloro ethane (ug/L)	Acetone (ug/L)	TOC (ug/L)	GW Elevation (MSL)	Depth to Water (ft.)	DO Reading (ppm)	
MW-2A	05/08/2003	<50	<0.50	<0.50	<0.50	NA	NA	4.0	<2.0	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	155.64	7.16	148.48	1.2	
MW-2A	08/18/2003	Well Inaccessible	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	155.64	NA	NA	NA	
MW-2A	08/20/2003	83 f	<50	<0.50	<0.50	NA	NA	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.64	7.35	148.29	2.3	
MW-2A	11/12/2003	<50	<0.50	<0.50	<0.50	NA	NA	1.7	<2.0	<2.0	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	155.64	7.39	148.25	0.8	
MW-2A	02/24/2004	<50	<0.50	<0.50	<0.50	NA	NA	1.7	NA	NA	<2.0	NA	<0.50	NA	<0.50	NA	<0.50	NA	155.64	7.15	148.49	0.1	
MW-2A	05/14/2004	51 f	<0.50	<0.50	<0.50	NA	NA	2.7	NA	NA	NA	<0.50	NA	<0.50	NA	<0.50	NA	<0.50	NA	155.64	7.28	148.36	0.2
MW-2A	07/22/2004	<50	<0.50	<0.50	<0.50	NA	NA	2.2	NA	NA	<2.0	NA	<0.50	NA	<0.50	NA	<0.50	NA	155.64	7.81	147.83	0.7	
MW-2A	11/11/2004	<50	<0.50	<0.50	<0.50	NA	NA	1.8	NA	NA	NA	<0.50	NA	<0.50	NA	<0.50	NA	<0.50	NA	155.64	7.03	148.61	0.4
MW-3A	06/18/1991	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-3A	08/05/1991	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-3A	01/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	6.89	149.45	NA	
MW-3A	02/14/1992	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	6.60	149.74	NA	
MW-3A	03/18/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	6.58	149.76	NA	
MW-3A	04/23/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	6.86	149.48	NA	
MW-3A	05/20/1992	600	2.4	5.9	2.8	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	7.02	149.32	NA	
MW-3A	06/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	7.49	148.85	NA	
MW-3A	08/06/1992	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	7.97	148.47	NA	
MW-3A	11/24/1992	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	7.11	149.23	NA	
MW-3A	02/23/1993	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	5.95	150.39	NA	
MW-3A	05/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	7.00	149.34	NA	
MW-3A	08/24/1993	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	7.73	148.61	NA	
MW-3A	11/30/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	6.67	149.67	NA	
MW-3A	02/15/1994	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	6.58	149.76	NA	
MW-3A	05/19/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	6.83	149.51	NA	
MW-3A	08/18/1994	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	7.57	148.77	NA	
MW-3A	11/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	6.60	149.84	NA	
MW-3A	02/16/1995	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	6.35	149.99	NA	
MW-3A	05/23/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	6.49	149.85	NA	
MW-3A	08/16/1995	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	7.22	149.12	NA	
MW-3A	01/29/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	6.20	150.14	NA	
MW-3A	08/12/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	7.57	148.77	NA	
MW-3A	02/26/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	6.81	149.53	NA	
MW-3A	07/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	7.65	148.69	NA	
MW-3A	02/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	5.91	150.43	NA	
MW-3A	03/21/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.34	8.72	147.62	NA	

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MW-3A	02/15/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	149.53
MW-3A	08/09/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.49
MW-3A	02/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	149.76
MW-3A	08/23/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.59
MW-3A	01/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	149.67
MW-3A	08/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	149.67
MW-3A	02/25/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.34
MW-3A	05/15/2002	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	
MW-3A	08/14/2002	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.6	
MW-3A	12/10/2002	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	149.54	
MW-3A	02/25/2003	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	
MW-3A	05/08/2003	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	
MW-3A	08/18/2003	72 f	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	
MW-3A	11/12/2003	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	
MW-3A	02/24/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	149.16	
MW-3A	05/14/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.3	
MW-3A	07/22/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	149.23	
MW-3A	11/11/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	
MW-4A	06/18/1991	90	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	149.64
MW-4A	08/05/1991	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4A	01/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	151.83
MW-4A	02/14/1992	80a	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.18
MW-4A	03/18/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	153.61
MW-4A	04/23/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	153.28
MW-4A	05/20/1992	ND	ND	ND	ND	2.0	1.3	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	152.20
MW-4A	06/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	151.80
MW-4A	08/06/1992	ND	ND	ND	ND	0.5	2.2	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.77
MW-4A	11/24/1992	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.34
MW-4A	02/23/1993	170	ND	ND	ND	2.6	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.62
MW-4A	05/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	151.39
MW-4A	08/24/1993	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4A	11/30/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4A	02/15/1994	50	ND	ND	ND	1.4	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4A	05/19/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4A	08/18/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**WELL CONCENTRATIONS**  
Former Shell Service Station  
**2145 Mendocino Avenue**  
**Santa Rosa, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	ETBF (ug/L)	TAME (ug/L)	TBA (ug/L)	PCB (ug/L)	1,1,1-Trichloroethane (ug/L)	Vinyl chloride (ug/L)	Acetone (ug/L)	TOC (ug/L)	Depth to Water (ft)	GW Elevation (MSL)	DO Reading (ppm)
MW-4A	1/1/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4A	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5A	06/18/1991	60	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5A	08/05/1991	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5A	01/28/1992	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	7.02
MW-5A	02/14/1992	81a	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	5.20
MW-5A	03/18/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	151.99	150.17
MW-5A	04/23/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	3.32
MW-5A	05/20/1992	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	3.50
MW-5A	06/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	3.81
MW-5A	08/06/1992	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	4.03
MW-5A	11/24/1992	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	4.93
MW-5A	02/23/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	3.99
MW-5A	05/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	NA
MW-5A	08/24/1993	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	NA
MW-5A	11/30/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	NA
MW-5A	02/15/1994	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	NA
MW-5A	05/19/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	3.45
MW-5A	08/18/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	3.86
MW-5A	11/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	157.19	NA
MW-5A	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6B	01/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	12.75
MW-6B	02/14/1992	310	4.2	15	5.25	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	144.03
MW-6B	03/18/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	12.00
MW-6B	04/23/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	10.76
MW-6B	05/20/1992	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	11.80
MW-6B	06/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	13.23
MW-6B	08/06/1992	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	143.55
MW-6B	11/24/1992	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	144.78
MW-6B	02/23/1993	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	146.02
MW-6B	05/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	144.98
MW-6B	08/24/1993	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	142.87
MW-6B	11/30/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	143.95
MW-6B	02/15/1994	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.78	146.07

**WELL CONCENTRATIONS**  
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**2145 Mendocino Avenue**  
**Santa Rosa, CA**

Well ID	Date	TPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TAME (ug/L)	ETBE (ug/L)	TBA (ug/L)	PCP (ug/L)	TCF (ug/L)	Vinyl Chloride (ug/L)	Acetone (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)		
MW-6B	05/19/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.74	11.89	144.85	NA	
MW-6B	08/18/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.74	NA	NA	NA	
MW-6B	11/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.74	NA	NA	NA	
MW-6B	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-7A	01/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.42	6.01	149.41	NA
MW-7A	02/14/1992	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.42	5.52	149.90	NA	
MW-7A	03/18/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	5.24	150.18	NA
MW-7A	04/23/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	5.97	149.45	NA
MW-7A	05/20/1992	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.42	6.44	148.98	NA	
MW-7A	06/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	7.25	148.17	NA
MW-7A	08/06/1992	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.42	7.72	147.70	NA	
MW-7A	11/24/1992	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.42	6.51	148.91	NA	
MW-7A	02/23/1993	80a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.42	4.60	150.82	NA	
MW-7A	05/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	6.02	149.40	NA	
MW-7A	08/24/1993	450	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.42	6.73	148.69	NA	
MW-7A	11/30/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	5.39	150.03	NA	
MW-7A	02/15/1994	400a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.42	5.56	149.86	NA	
MW-7A	05/19/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	6.24	149.18	NA	
MW-7A	08/18/1994	490	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.42	7.18	148.24	NA	
MW-7A	11/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	5.25	150.17	NA	
MW-7A	02/16/1995	350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.42	5.52	149.90	NA	
MW-7A	05/23/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	6.22	149.20	NA	
MW-7A	08/16/1995	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.42	7.54	147.88	NA	
MW-7A	01/29/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	4.44	150.98	NA	
MW-7A	08/12/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	4.90	150.52	NA	
MW-7A	02/26/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	7.17	148.25	NA	
MW-7A	07/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	6.22	149.22	NA	
MW-7A	08/09/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	8.67	146.75	NA	
MW-7A	02/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	6.01	149.41	NA	
MW-7A	08/23/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	8.43	146.99	NA	
MW-7A	01/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	6.66	148.76	NA	
MW-7A	08/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.42	8.75	146.67	NA	

**WELL CONCENTRATIONS**  
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**Santa Rosa, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	MTBE 8260 (ug/L)	MTBE 4 (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	PCP (ug/L)	TCPE (ug/L)	Vinyli Chloride (ug/L)	TOC (ug/L)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)				
MW-7A	02/26/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
MW-7A	05/15/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	64	<2.0	8.3	<50	NA	NA	NA	NA	NA	NA	NA	155.40	6.57	148.83	NA	
MW-7A	08/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	23	<2.0	2.0	<50	NA	NA	NA	NA	NA	NA	NA	155.40	7.18	148.22	1.8	
MW-7A	12/10/2002	160	<0.50	<0.50	<0.50	<0.50	NA	500	<2.0	90	<50	NA	NA	NA	NA	NA	NA	NA	155.40	8.60	146.80	0.6	
MW-7A	02/25/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	79	<2.0	12	<50	NA	NA	NA	NA	NA	NA	NA	155.40	7.30	148.10	0.9	
MW-7A	05/08/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	32	<2.0	3.7	<50	NA	NA	NA	NA	NA	NA	NA	155.40	6.08	149.32	1.1	
MW-7A	08/18/2003	71 f	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<2.0	<2.0	<50	NA	NA	NA	NA	NA	NA	NA	155.40	7.52	147.88	1.0	
MW-7A	11/12/2003	<250	<2.5	<2.5	<2.5	<2.5	NA	300	<10	<10	49	<25	NA	NA	NA	NA	NA	NA	NA	155.40	7.08	148.32	0.6
MW-7A	02/24/2004	<50	<0.50	<0.50	<0.50	<0.50	NA	55	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	155.40	5.67	149.73	0.2	
MW-7A	05/14/2004	<50	<0.50	<0.50	<0.50	<0.50	NA	110	<2.0	15	27	NA	NA	NA	NA	NA	NA	NA	155.40	7.11	148.29	0.3	
MW-7A	07/22/2004	<50	<0.50	<0.50	<0.50	<0.50	NA	110	<2.0	13	39	NA	NA	NA	NA	NA	NA	NA	155.40	7.90	147.50	0.9	
MW-7A	11/11/2004	<50	<0.50	<0.50	<0.50	<0.50	NA	24	<2.0	2.5	19	NA	NA	NA	NA	NA	NA	NA	155.40	6.51	148.89	0.3	
MW-8A	01/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	7.58	146.94	NA
MW-8A	02/14/1992	240a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	7.42	147.10	NA
MW-8A	03/18/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	5.26	149.26	NA
MW-8A	04/22/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	6.55	147.97	NA
MW-8A	05/20/1992	ND	1.2	3.1	1.6	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	7.25	147.27	NA
MW-8A	06/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	8.01	146.51	NA
MW-8A	08/06/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	8.54	145.98	NA
MW-8A	11/24/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	8.63	145.89	NA
MW-8A	02/23/1993	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	4.39	150.13	NA
MW-8A	05/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	7.10	147.42	NA
MW-8A	08/24/1993	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	8.84	145.68	NA
MW-8A	11/30/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	8.32	146.20	NA
MW-8A	02/16/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	5.98	148.54	NA
MW-8A	05/19/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	7.30	147.22	NA
MW-8A	08/18/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	9.20	145.32	NA
MW-8A	11/01/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	6.20	148.32	NA
MW-8A	02/16/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	5.92	148.90	NA
MW-8A	05/23/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	6.66	147.87	NA
MW-8A	08/16/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	8.03	146.49	NA
MW-8A	01/29/1996	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	5.04	149.48	NA
MW-8A	08/12/1996	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	8.42	146.10	NA
MW-8A	02/28/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	6.65	147.87	NA
MW-8A	07/30/1997	ND	ND	ND	ND	ND	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52	8.80	145.72	NA

**WELL CONCENTRATIONS**  
Former Shell Service Station  
2145 Mendocino Avenue  
**Santa Rosa, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DPE (ug/L)	TAPE (ug/L)	TBa (ug/L)	DCE cis-1,2- DCE trans-1,2- DCE 1,1- Dichloro ethane 1,1- Dichloro ethylene PCP 1,1,1- Trichloro ethane TCF Vinyl chloride Acetone DO Reading (ppm)	Depth to Water (ft.)	GW Elevation (MSL)			
MW-8A	02/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.20	NA		
MW-8A	08/21/1998	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	7.65	NA		
MW-8A	02/15/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52b	6.12		
MW-8A	08/09/1999	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<2.00	NA	NA	NA	NA	NA	154.52b	8.43	NA	
MW-8A	02/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52b	6.21	NA	
MW-8A	08/23/2000	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<2.50	NA	NA	NA	NA	NA	154.52b	8.78	NA	
MW-8A	01/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.52b	6.89	NA	
MW-8A	08/21/2001	<50	<50	<50	<50	<50	<50	<50	<5.0	NA	NA	NA	NA	NA	154.52b	9.10	NA	
MW-8A	02/26/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.37	6.91	147.46	
MW-8A	05/15/2002	<50	<50	<50	<50	<50	<50	<50	<2.0	<2.0	<2.0	<50	NA	NA	154.37	7.31	147.06	
MW-8A	08/14/2002	<50	<50	<50	<50	<50	<50	<50	<2.0	<2.0	<2.0	<50	NA	NA	154.37	8.68	145.69	
MW-8A	12/10/2002	<50	<50	<50	<50	<50	<50	<50	<2.0	<2.0	<2.0	<50	NA	NA	154.37	8.32	146.05	
MW-8A	02/25/2003	<50	<50	<50	<50	<50	<50	<50	<2.0	<2.0	<2.0	<50	NA	NA	154.37	6.27	148.10	
MW-8A	05/08/2003	<50	<50	<50	<50	<50	<50	<50	<2.0	<2.0	<2.0	<50	NA	NA	154.37	6.05	148.32	
MW-8A	08/18/2003	140 f	<50	<50	<50	<50	<50	3.6	NA	0.50	<2.0	<2.0	<5.0	NA	NA	154.37	8.18	146.19
MW-8A	11/12/2003	<50	<50	<50	<50	<50	<50	<1.0	NA	0.54	<2.0	<2.0	<5.0	NA	NA	154.37	7.84	146.53
MW-8A	02/24/2004	<50	<50	<50	<50	<50	<50	<1.0	NA	<0.50	<2.0	<2.0	<5.0	NA	NA	154.37	5.32	149.05
MW-8A	05/14/2004	<50	<50	<50	<50	<50	<50	<1.0	NA	<0.50	<2.0	<2.0	<5.0	NA	NA	154.37	7.35	147.02
MW-8A	07/22/2004	<50	<50	<50	<50	<50	<50	<1.0	NA	<0.50	<2.0	<2.0	<5.0	NA	NA	154.37	8.52	145.85
MW-8A	11/11/2004	<50	<50	<50	<50	<50	<50	<1.0	NA	<0.50	<2.0	<2.0	<5.0	NA	NA	154.37	7.13	147.24
MW-9A	01/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.03	8.37	147.66	
MW-9A	02/14/1992	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	156.03	7.52	148.51	
MW-9A	03/16/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.03	6.61	149.42	
MW-9A	04/23/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.03	7.44	148.59	
MW-9A	05/20/1992	ND	1.2	3.0	1.4	11	NA	NA	NA	NA	NA	NA	NA	NA	156.03	8.13	147.90	
MW-9A	06/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.03	8.91	147.12	
MW-9A	08/05/1992	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	156.03	9.39	146.64	
MW-9A	11/24/1992	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	156.03	9.25	146.78	
MW-9A	02/23/1993	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	156.03	6.79	149.24	
MW-9A	05/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.03	7.60	148.43	
MW-9A	08/24/1993	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	156.03	9.68	146.35	
MW-9A	11/30/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.03	8.64	147.39	
MW-9A	02/15/1994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	156.03	7.12	148.91	
MW-9A	05/19/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.03	7.64	148.39	
MW-9A	08/18/1994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	156.03	9.97	146.06	

**WELL CONCENTRATIONS**  
Former Shell Service Station  
**2145 Mendocino Avenue**  
**Santa Rosa, CA**

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2145 Mendocino Avenue**  
**Santa Rosa, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	EPA DPE (ug/L)	TBA (ug/L)	TAME (ug/L)	TBE (ug/L)	1,1,1-TCE (ug/L)	PCP (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1-Trichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Acetone (ug/L)	Water Elevation (MSL)	GW Elevation (MSL)	DO Reading (ppm)		
MW-10	05/14/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	1.5	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	155.17	8.90	146.27	0.4	
MW-10	07/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	20	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	155.17	9.90	145.27	0.8	
MW-10	11/11/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	1.8	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	155.17	9.19	145.98	0.6	
MW-11	12/03/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.51	9.21	145.30	NA
MW-11	12/10/2002	<50	<0.50	<0.50	<0.50	<1.0	NA	40	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.51	8.86	145.65	5.2
MW-11	02/25/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	43	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.51	7.51	147.00	1.4
MW-11	05/08/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	110	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.51	7.23	147.28	1.9
MW-11	08/18/2003	130 f	<50	<0.50	<0.50	<1.0	NA	70	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.51	9.25	145.26	0.9
MW-11	11/12/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	44	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.51	8.92	145.59	0.9
MW-11	02/24/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	43	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.51	6.54	147.97	0.3
MW-11	05/14/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	100	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.51	8.61	145.90	0.3
MW-11	07/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	58	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.51	9.64	144.87	0.9
MW-11	11/11/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	73	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.51	8.70	145.81	0.2
MW-12	12/03/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.25	8.57	145.68	NA
MW-12	12/10/2002	<50	<0.50	<0.50	<0.50	<1.0	NA	3.9	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.25	7.90	146.35	1.1
MW-12	02/25/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	2.5	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.25	7.03	147.22	0.7
MW-12	05/08/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	3.4	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.25	6.83	147.42	1.2
MW-12	08/18/2003	55 f	<50	<0.50	<0.50	<1.0	NA	3.1	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.25	8.61	145.64	0.7
MW-12	11/12/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	3.9	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.25	8.05	146.20	0.8
MW-12	02/24/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	2.0	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.25	6.29	147.96	0.3
MW-12	05/14/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	2.7	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.25	8.17	146.08	0.3
MW-12	07/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	6.4	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.25	9.00	145.25	1.8
MW-12	11/11/2004	<50	<0.50	<0.50	<1.0	NA	5.4	<2.0	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	NA	NA	NA	NA	154.25	7.58	146.67	0.3
C-1	02/25/2003	NA	NA	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.7	
C-1	08/18/2003	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.4	
C-1	02/24/2004	NA	NA	NA	NA	NA	<0.50	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.8	
C-1	06/08/2004	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.0	
C-2	02/25/2003	NA	NA	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
C-2	08/18/2003	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
C-2	02/24/2004	NA	NA	NA	NA	NA	<0.50	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
C-2	06/08/2004	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2145 Mendocino Avenue**  
**Santa Rosa, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	MTBE 8260 (ug/L)	H (ug/L)	ETBE 8260 (ug/L)	TAME 8260B (ug/L)	FtBE 8260 (ug/L)	Acetone (ug/L)	DO Reading (ppm)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to January 24, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to January 24, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

DIPPE = Diisopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B

cis-1,2-DCE = cis-1,2-Dichloroethene, analyzed by EPA Method 8260B

TCE = Trichloroethene, analyzed by EPA Method 8260B

FCE = Tetrachloroethene, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

ND = Not detected

NA = Not Applicable

Notes:

a = Chromatogram pattern indicated an unidentified hydrocarbon.

b = Top of casing altered; survey referenced disturbed.

c = This sample analyzed outside of EPA recommended holding time.

d = During May 19, 1993 event, .04 feet was removed from Top of Casing.

e = Sample S-3 contains volatile halocarbons, which are the primary contributor to the TPPH value. If these compounds were excluded from the quantitation, the reported value for TPPH would be "<50 ug/L."

f = Hydrocarbon reported does not match the pattern of the laboratory's standard.

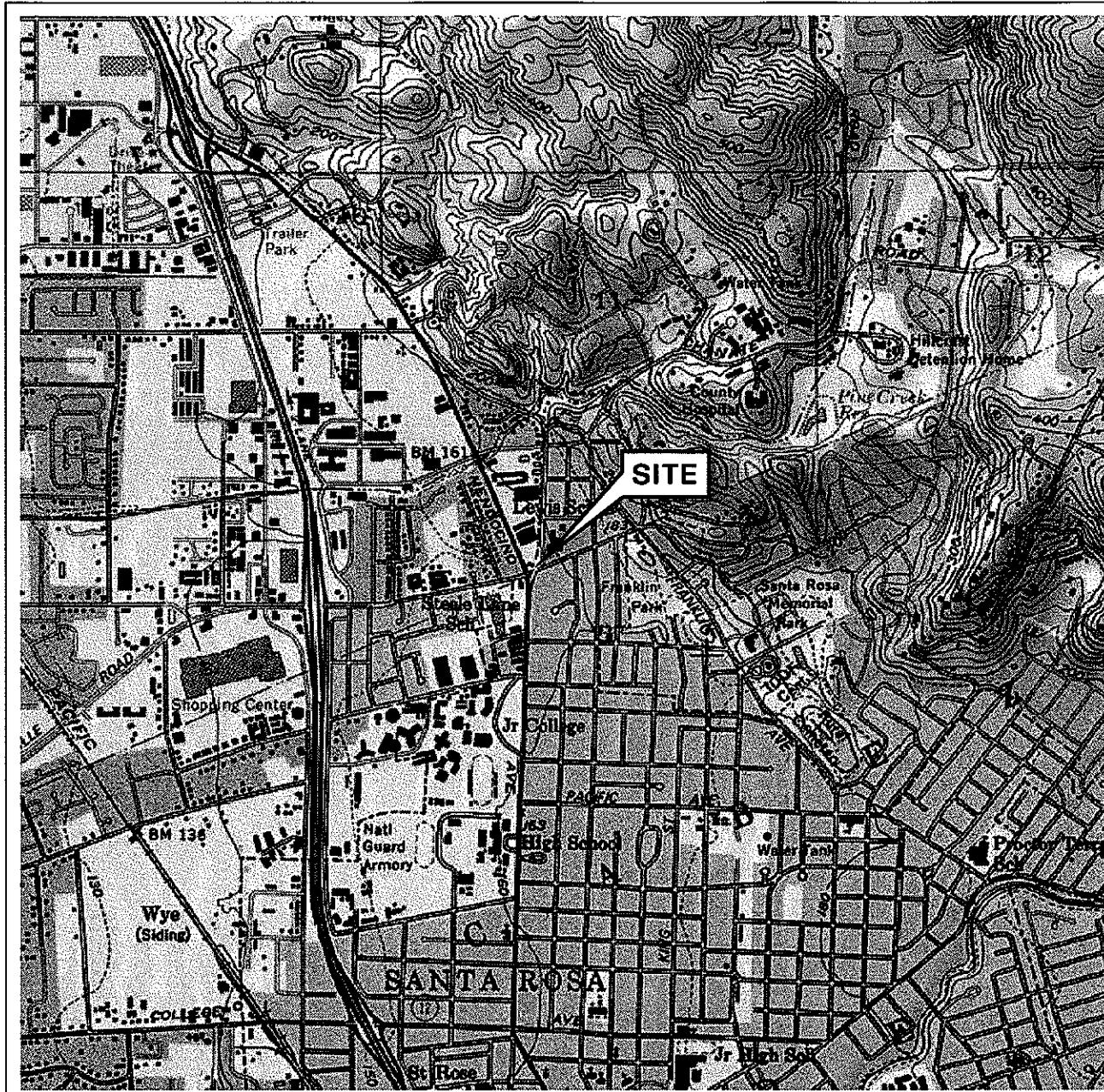
g = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.

1,1-Dichloroethane, trans-1,2-Dichloroethene, Vinyl chloride, Vinyl acetate and Acetone analyzed by EPA Method 8260B.

Site surveyed on January 3, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells MW-10, MW-11, and MW-12 surveyed November 22, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

# FIGURES



0      1/4      1/2      3/4      1 MILE

SCALE 1:24,000

N

SOURCE:

United States Geological Survey  
7.5 Minute Topographic Map:  
Santa Rosa Quadrangle



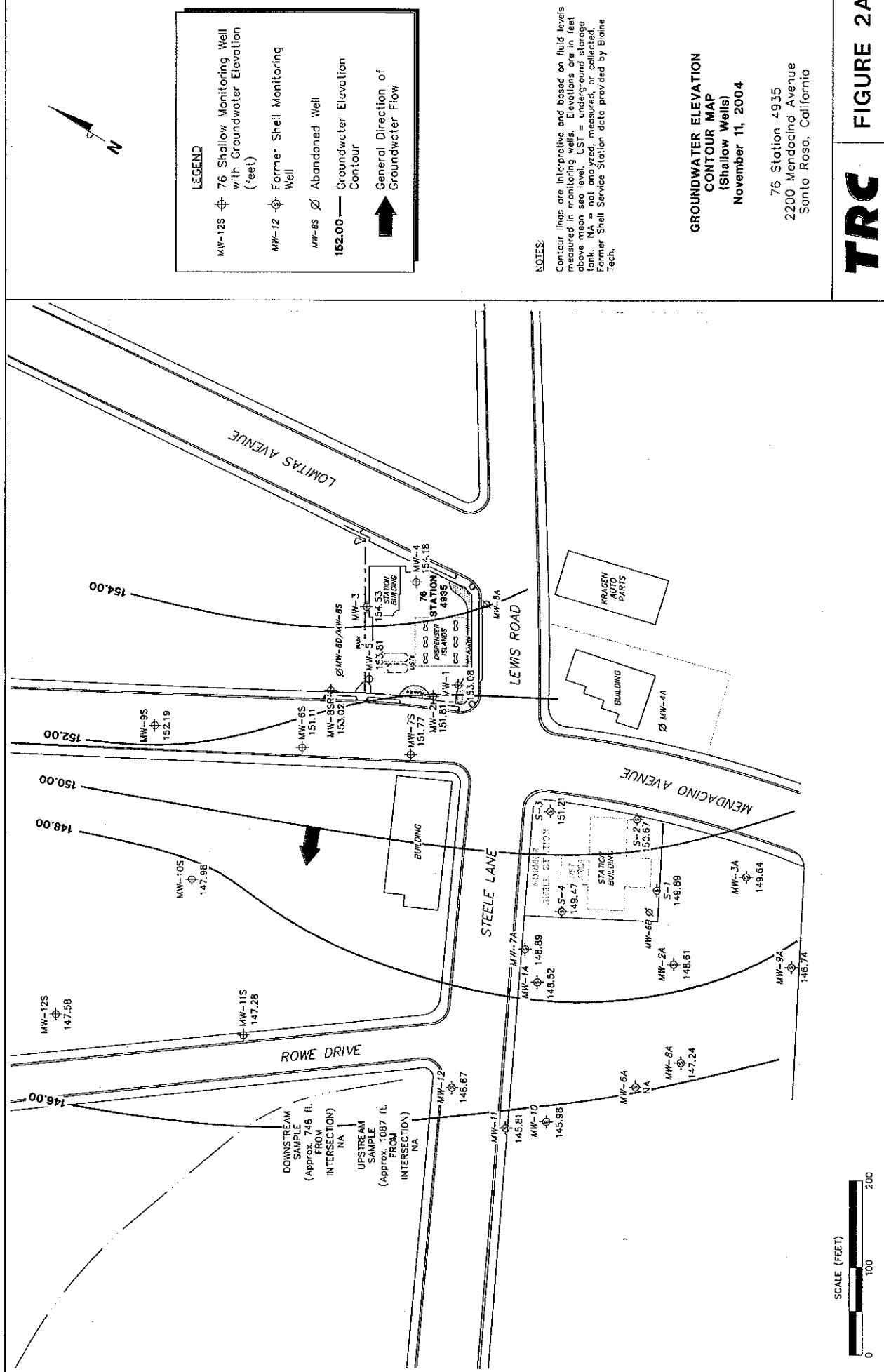
**VICINITY MAP**

76 Station 4935  
2200 Mendocino Avenue  
Santa Rosa, California

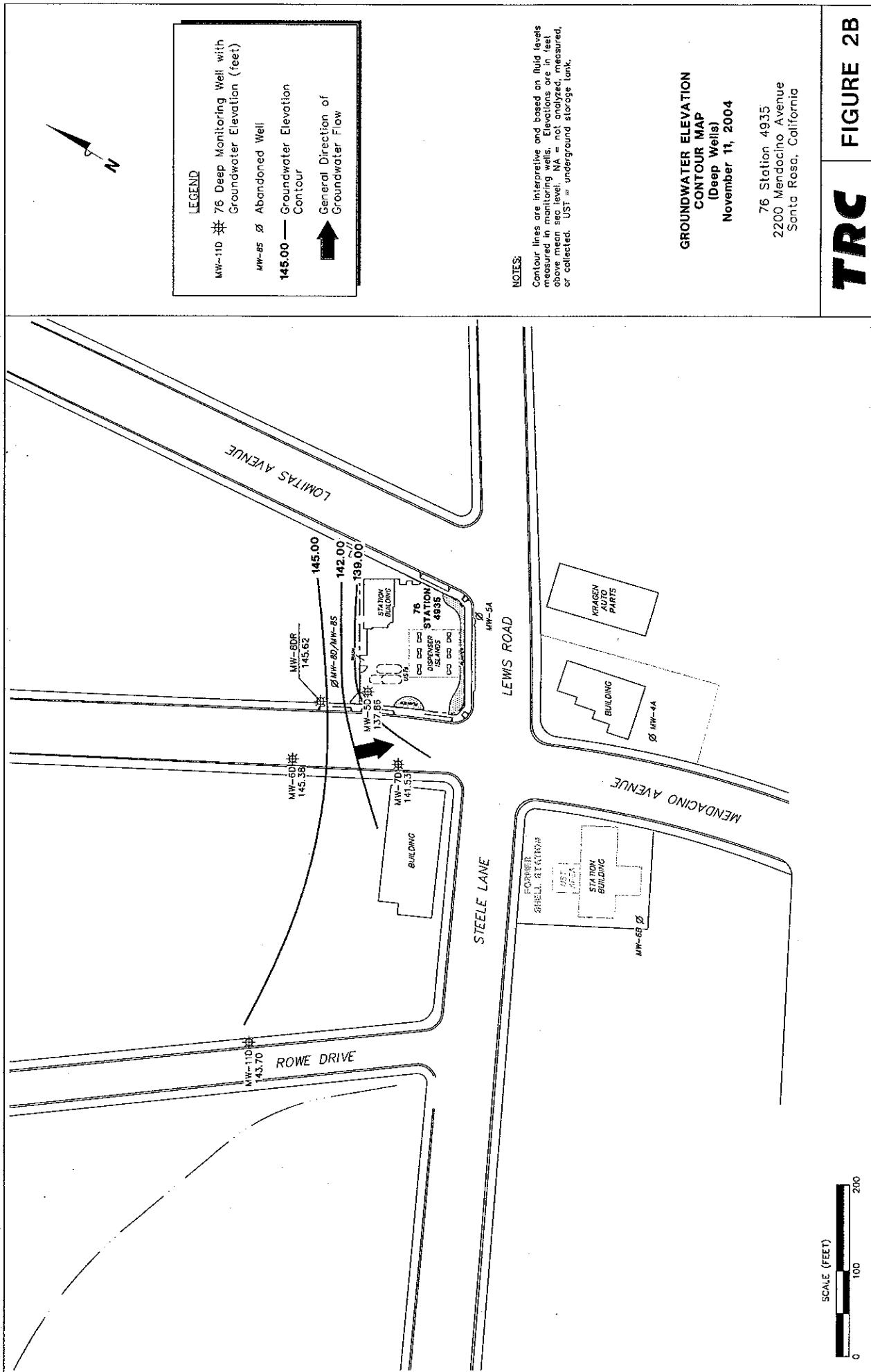
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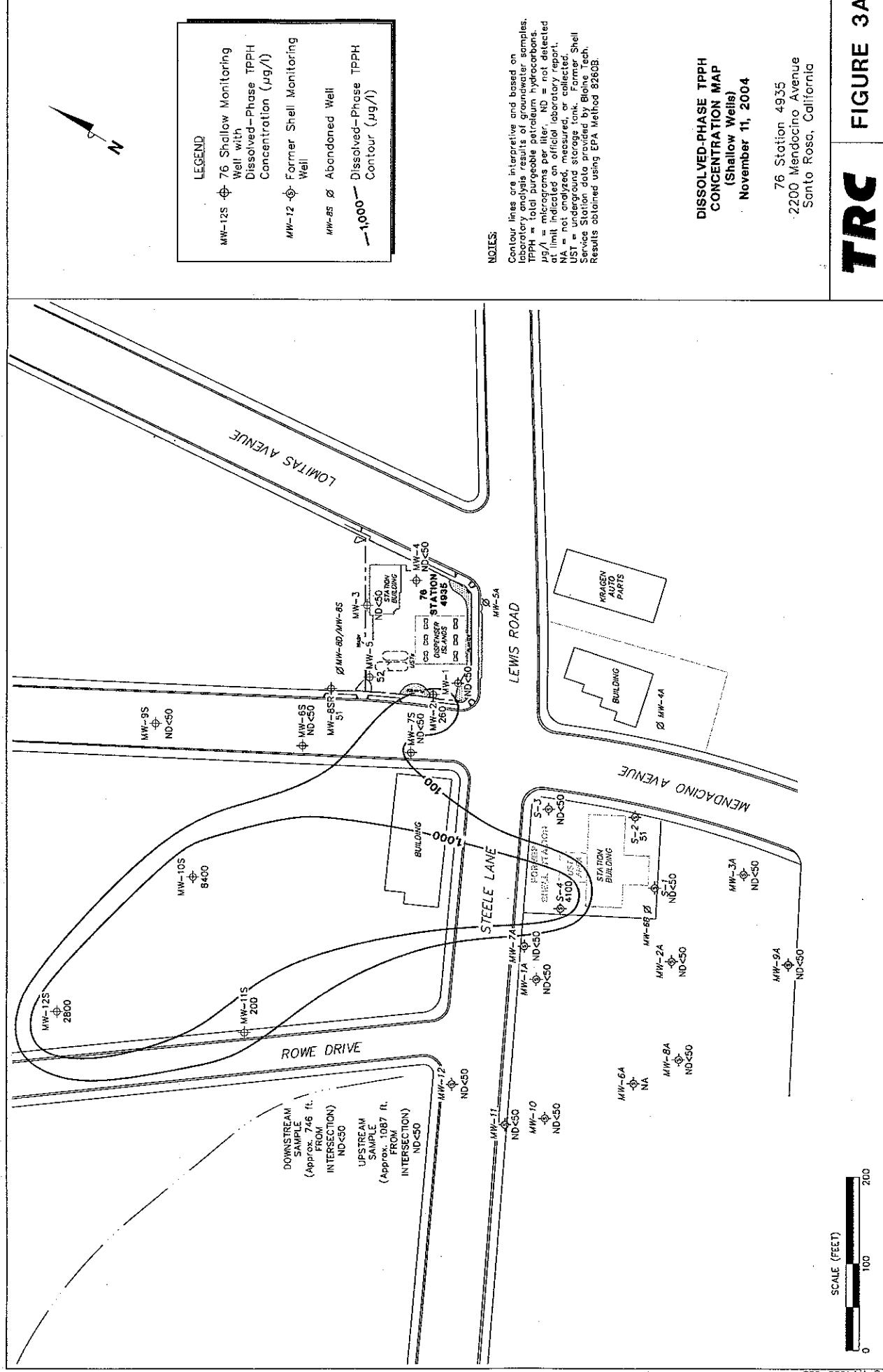
**TRC**

**FIGURE 1**



**FIGURE 2A**





Graphics on it { } : \GRAPHICS\Projects\8Y... \20-xxxx\20-0400\X-4000\4335+\935-QMS.dwg 01/06/05 0:02

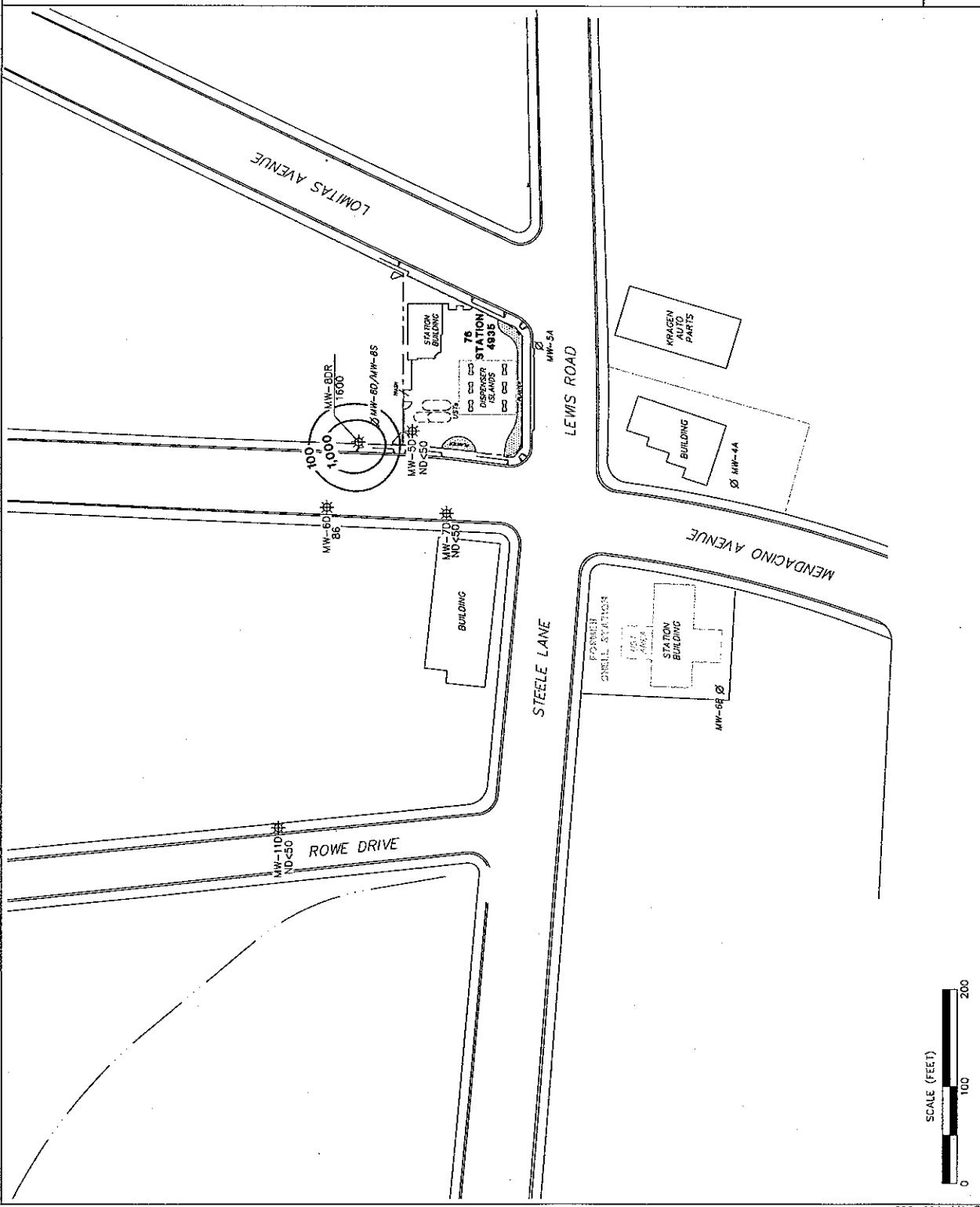
# TRC | FIGURE 3B

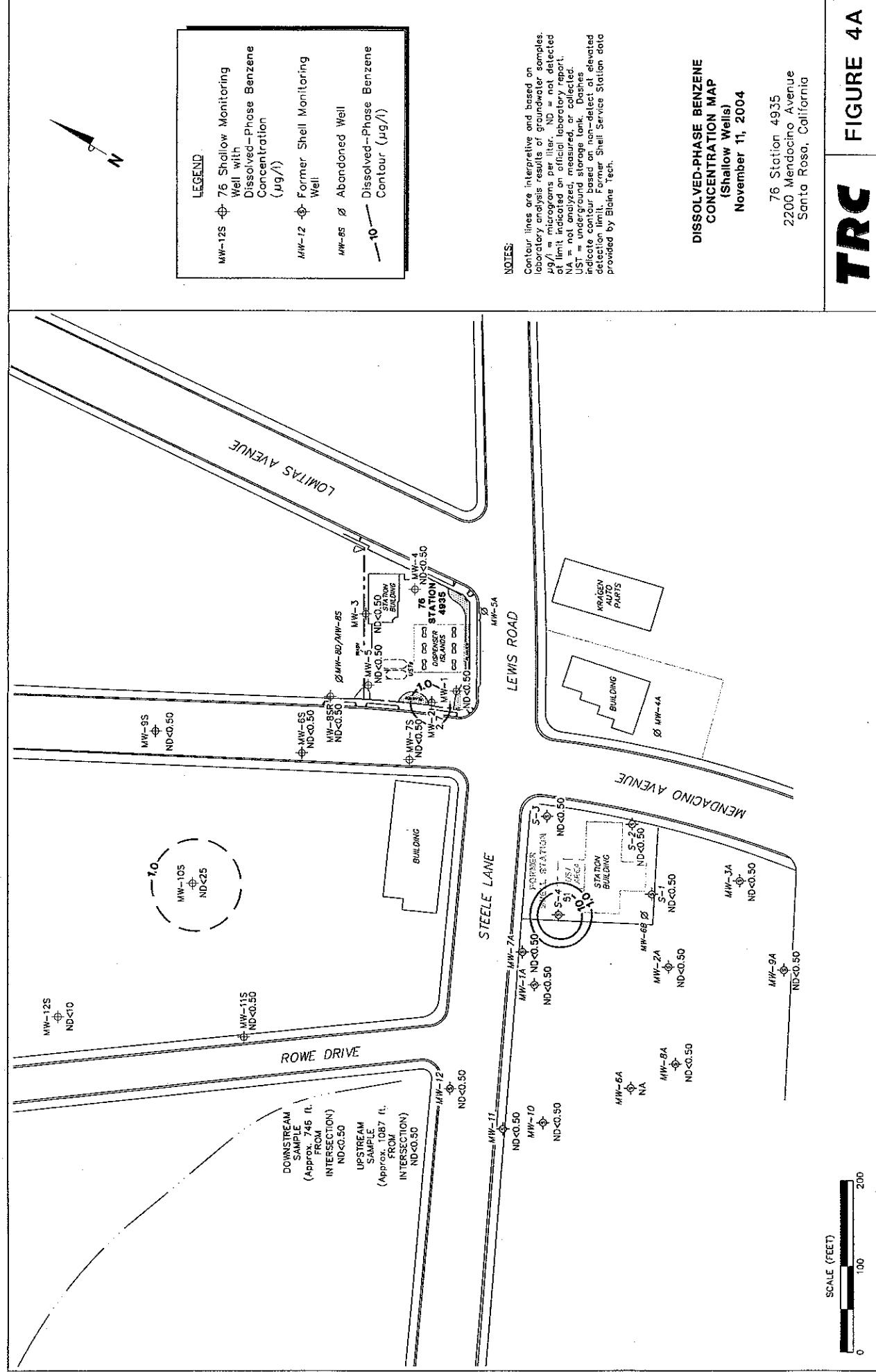
Graphics on file (f:\1\GRAPHICS\Projects\801\120-xxxx\120-0400\140354\1915-0451.dwg 01/06/05 pg

**DISSOLVED-PHASE TPPH CONCENTRATION MAP  
(Deep Wells)**  
November 11, 2004

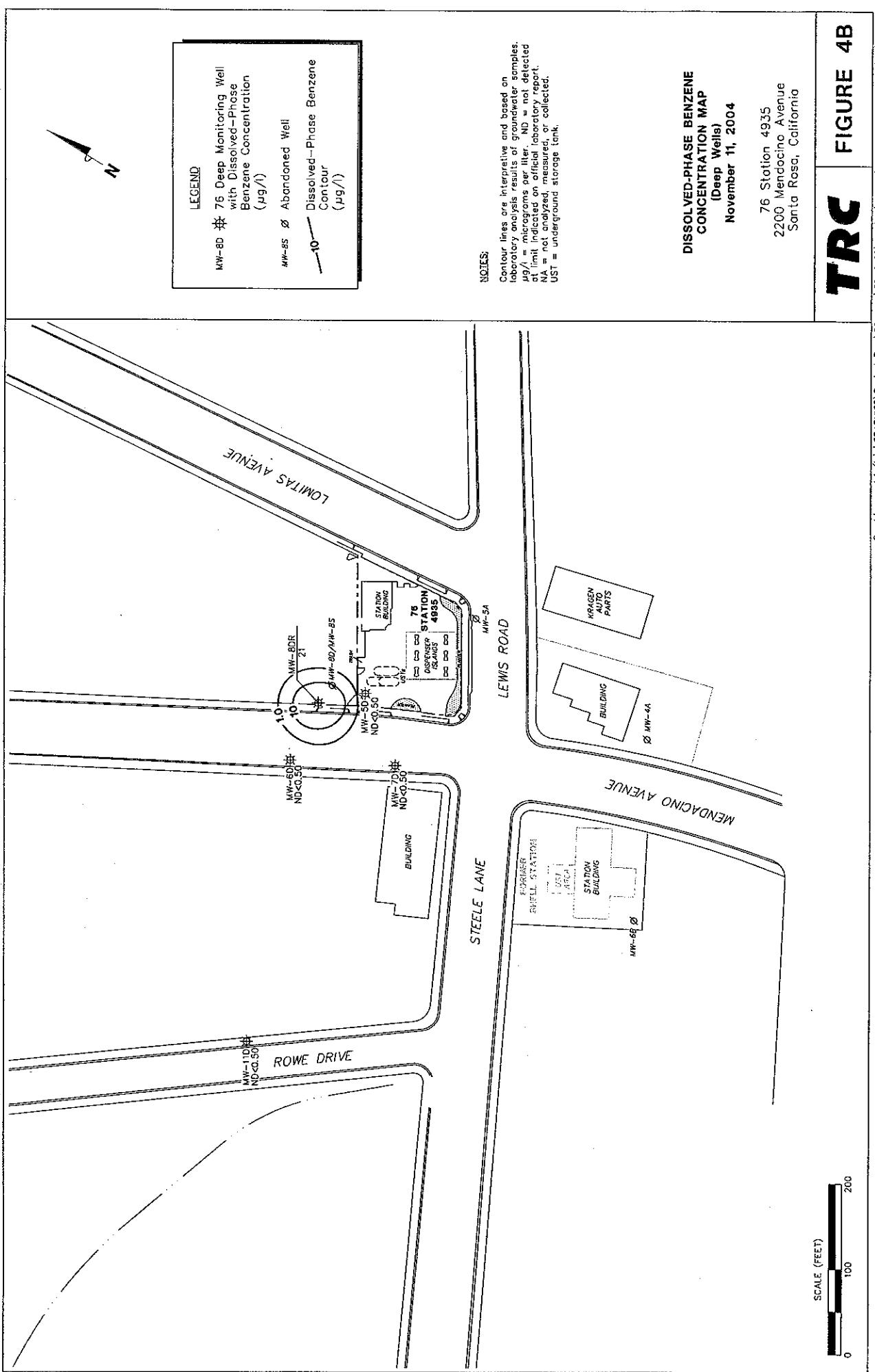
76 Station 4935  
2200 Mendocino Avenue  
Santa Rosa, California

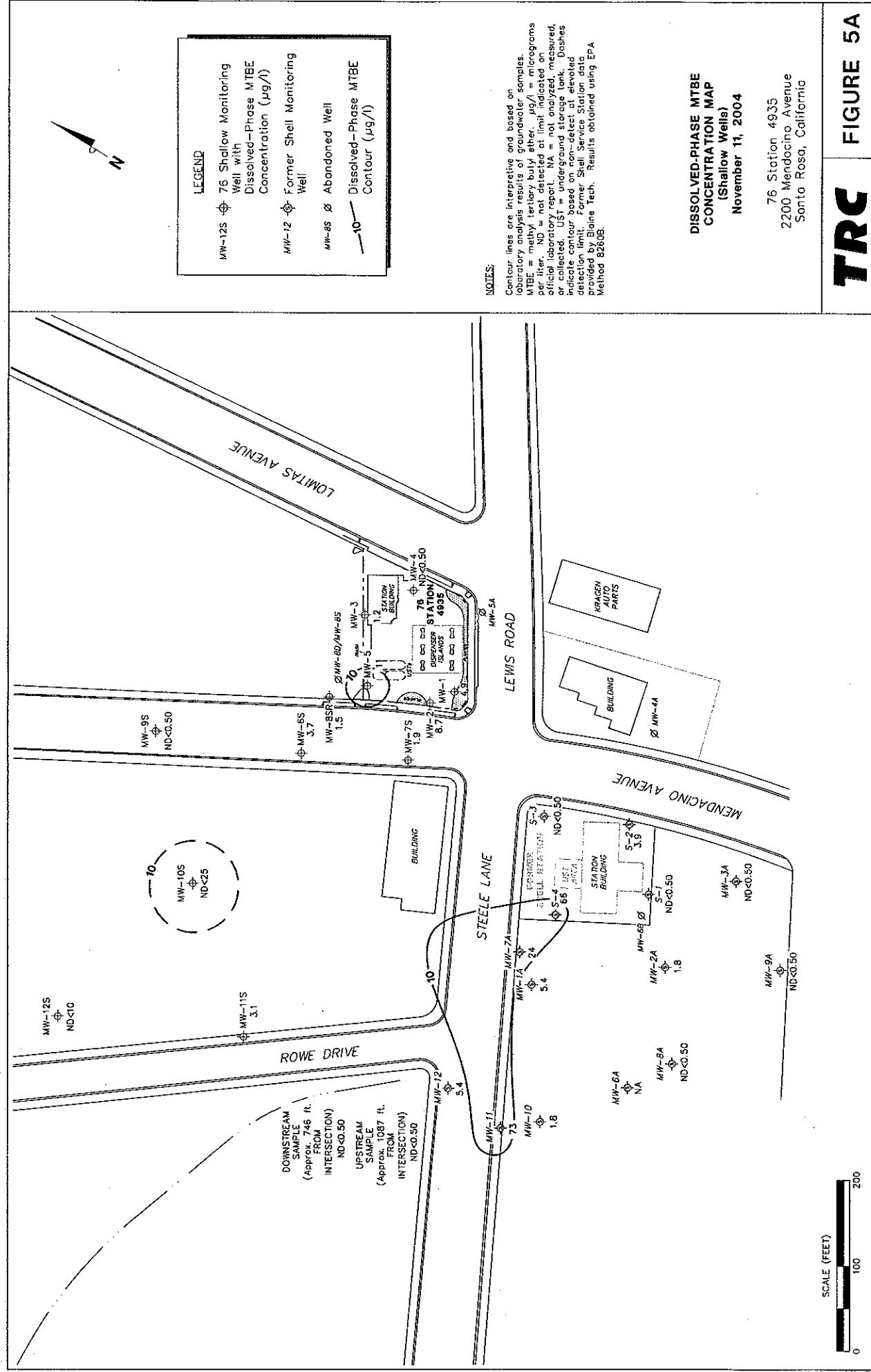
**NOTES:**  
Contour lines are interpretive and based on laboratory analysis results of groundwater samples.  
TPPH = total purgeable petroleum hydrocarbons.  
 $\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report.  
UST = underground storage tank. Results obtained using EPA Method 8260B.



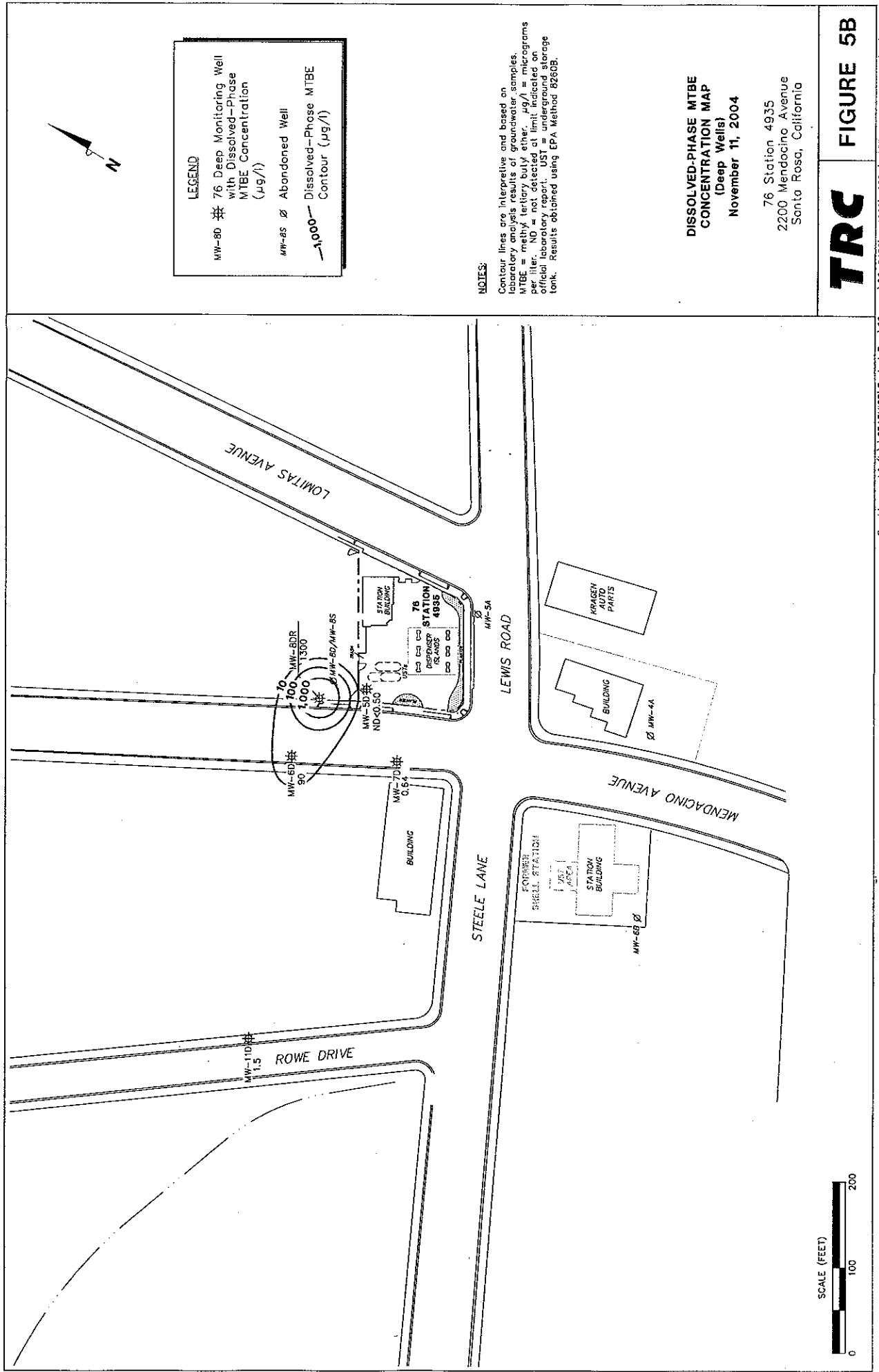


graphics on it); \GRAPHICS ProjectsBy.. \20-xxxx\20-0400\x-4000\4935+\4935-Offwrg 8/1/86/85



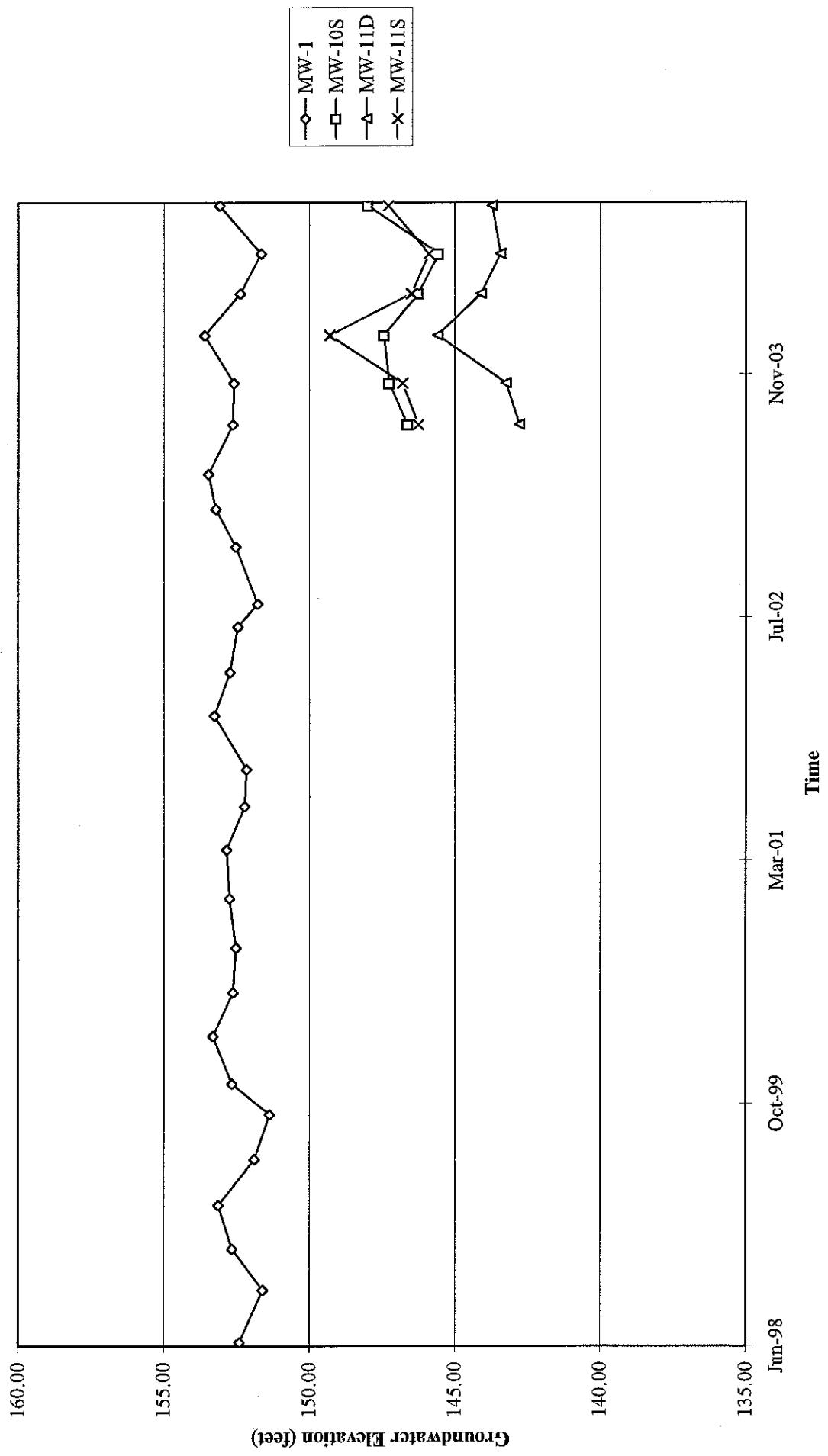


**FIGURE 5A**

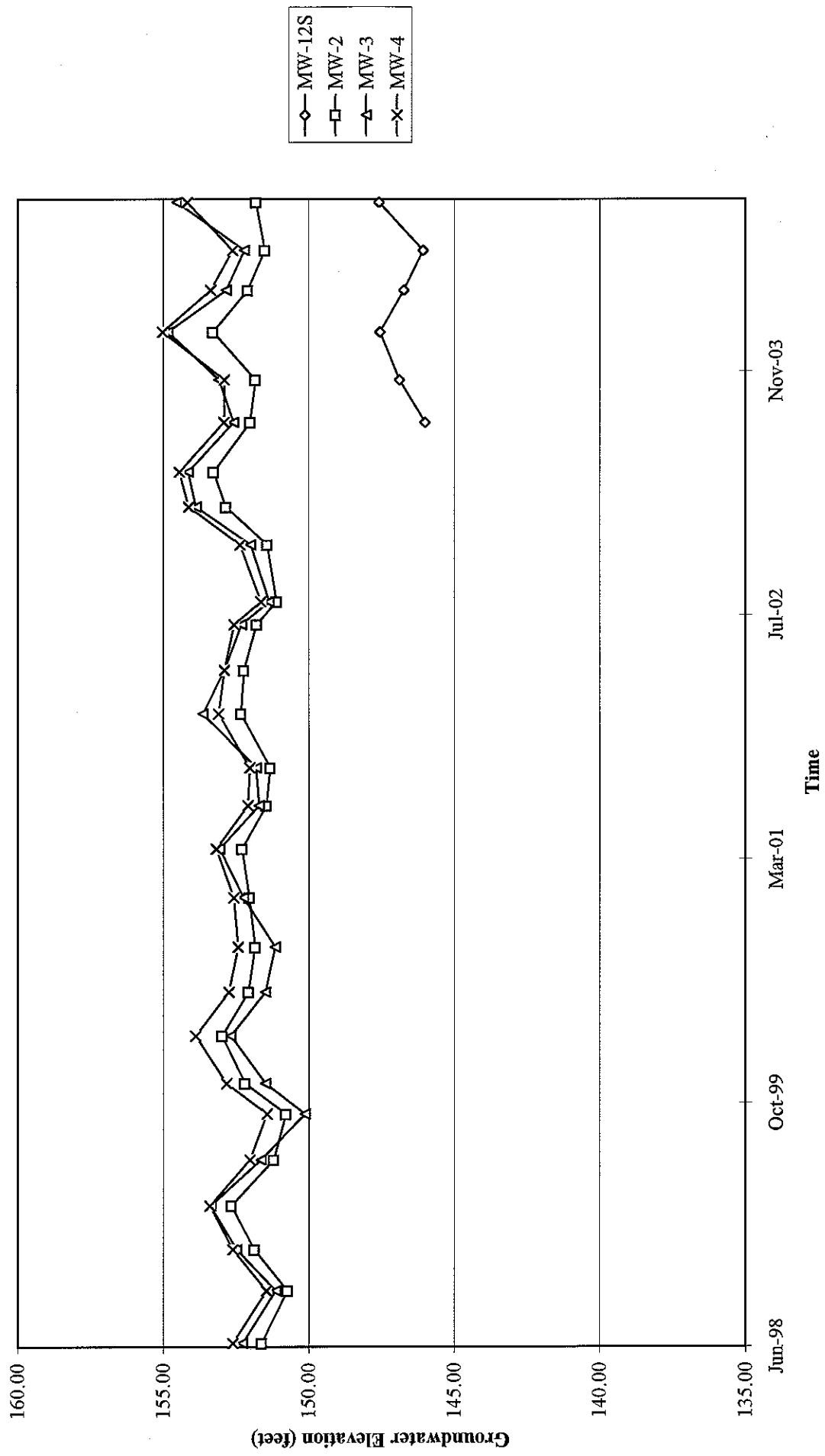


# GRAPHS

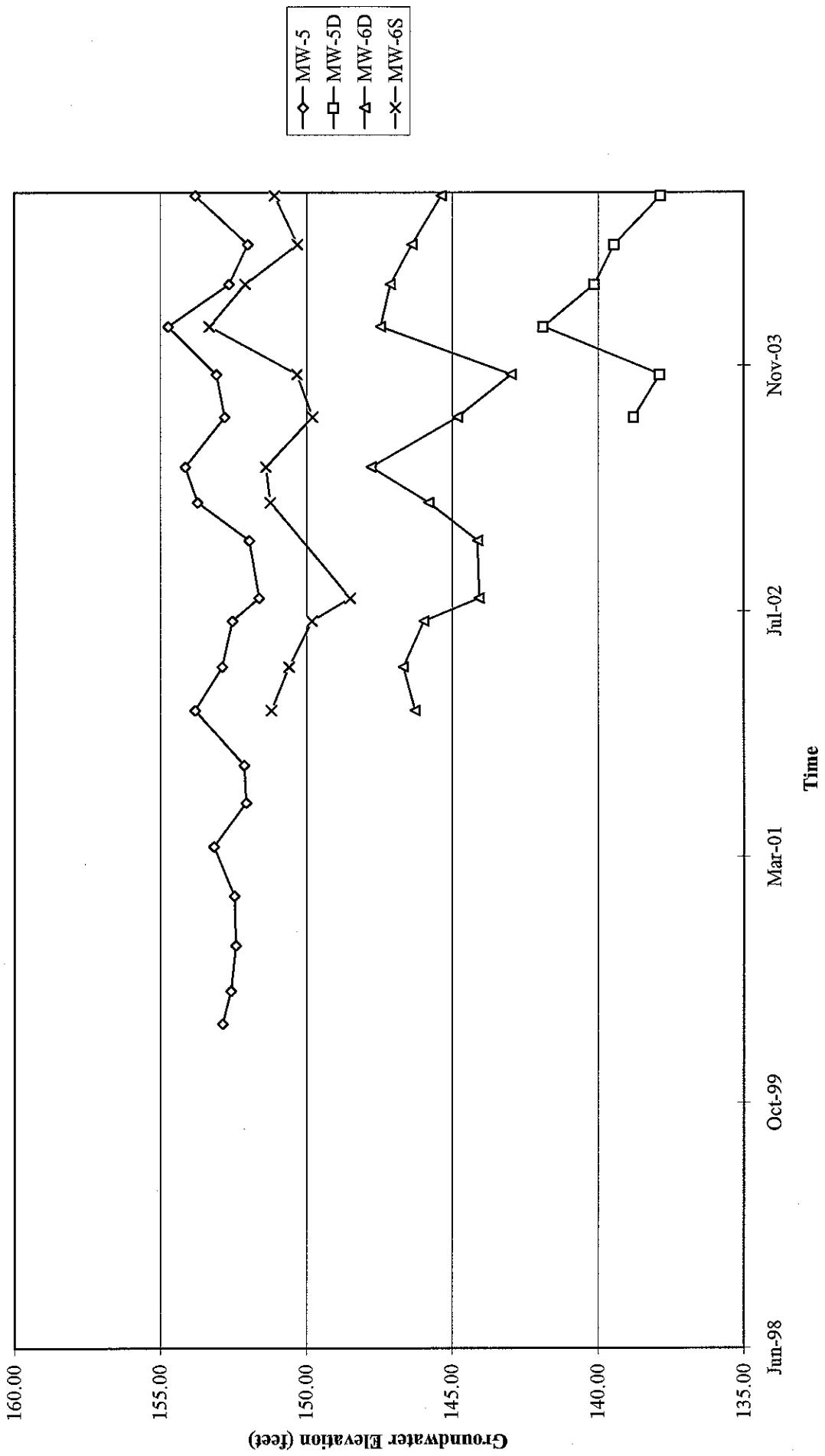
Groundwater Elevations vs. Time  
76 Station 4935



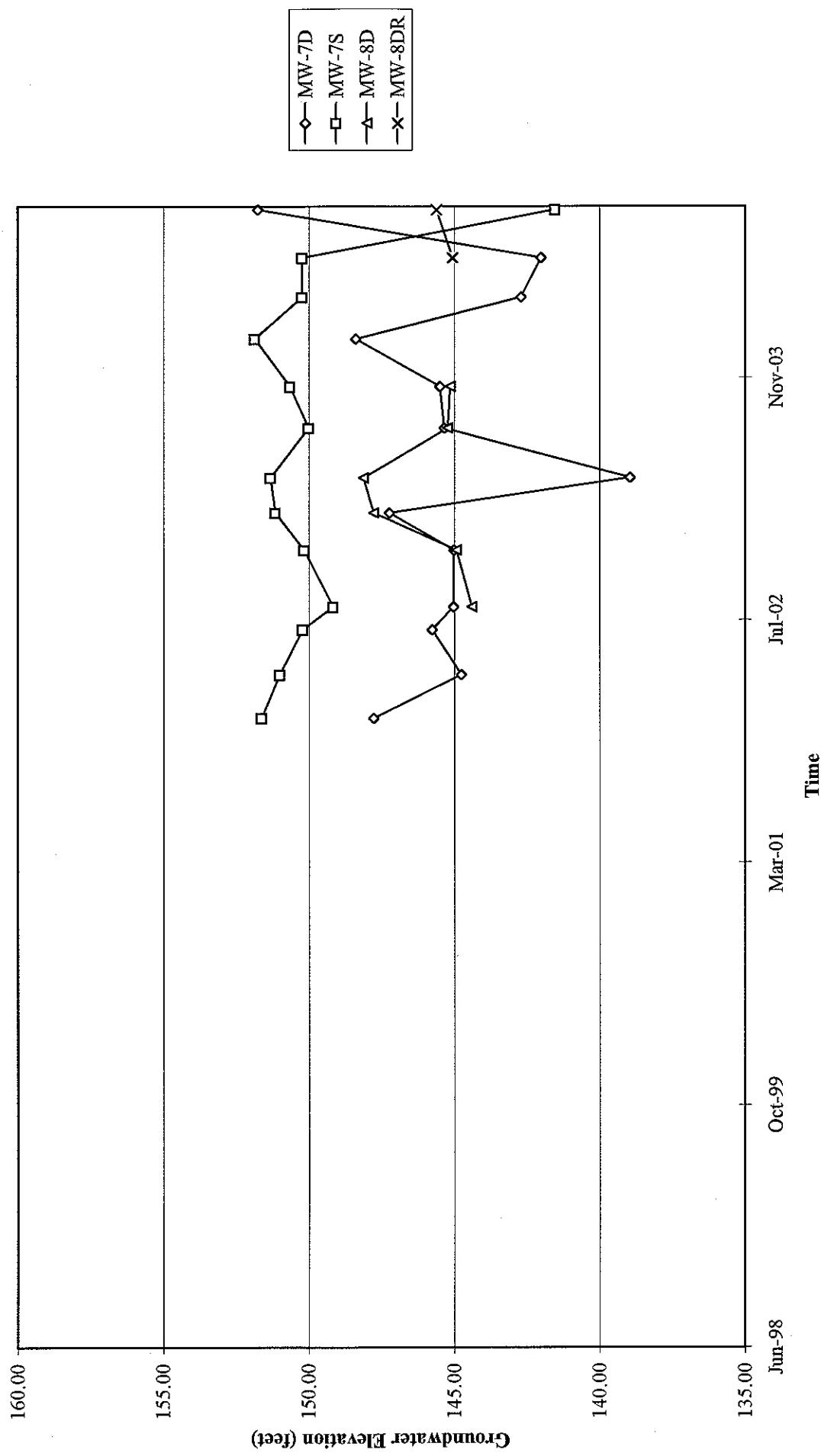
Groundwater Elevations vs. Time  
76 Station 4935



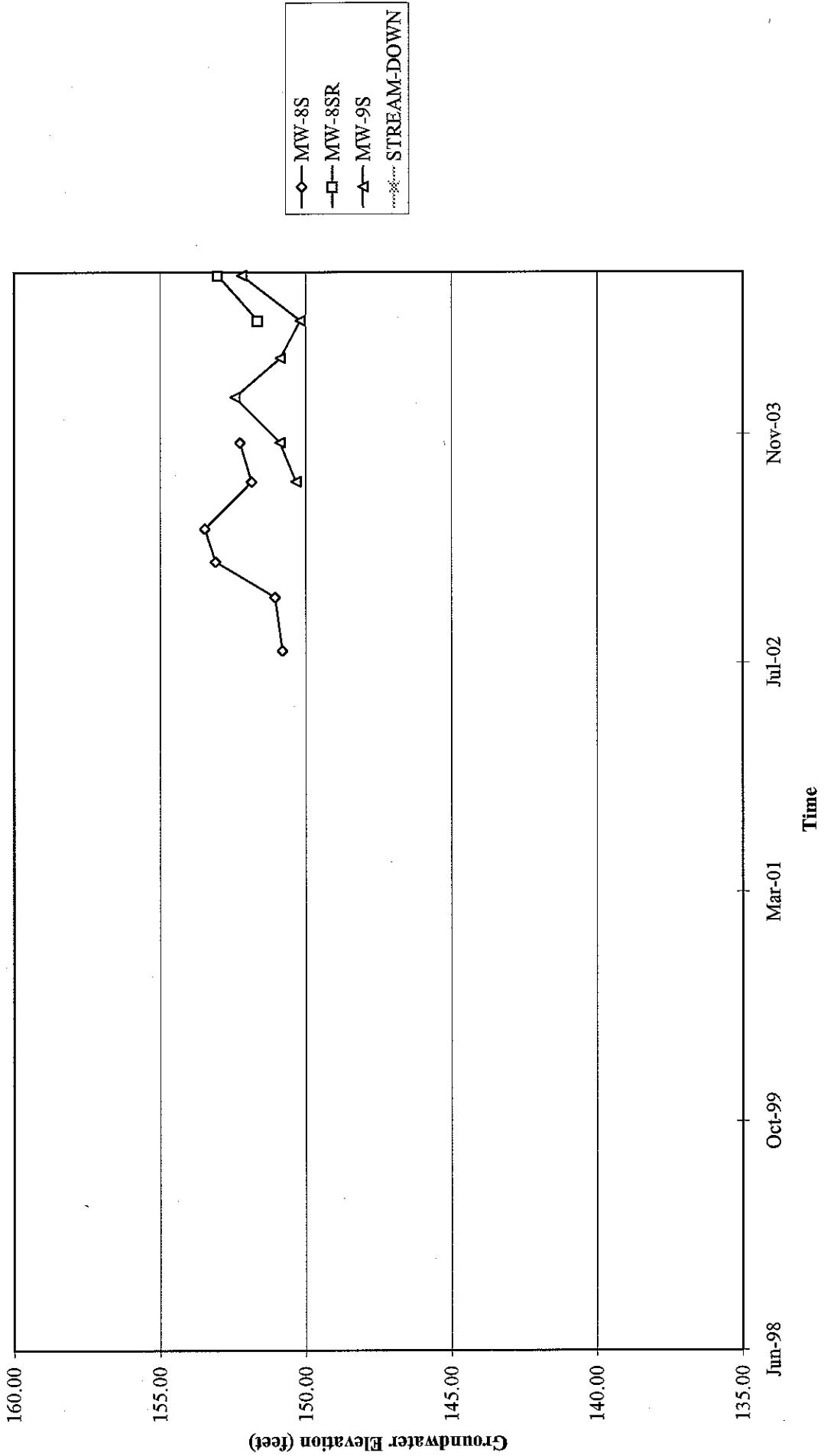
Groundwater Elevations vs. Time  
76 Station 4935



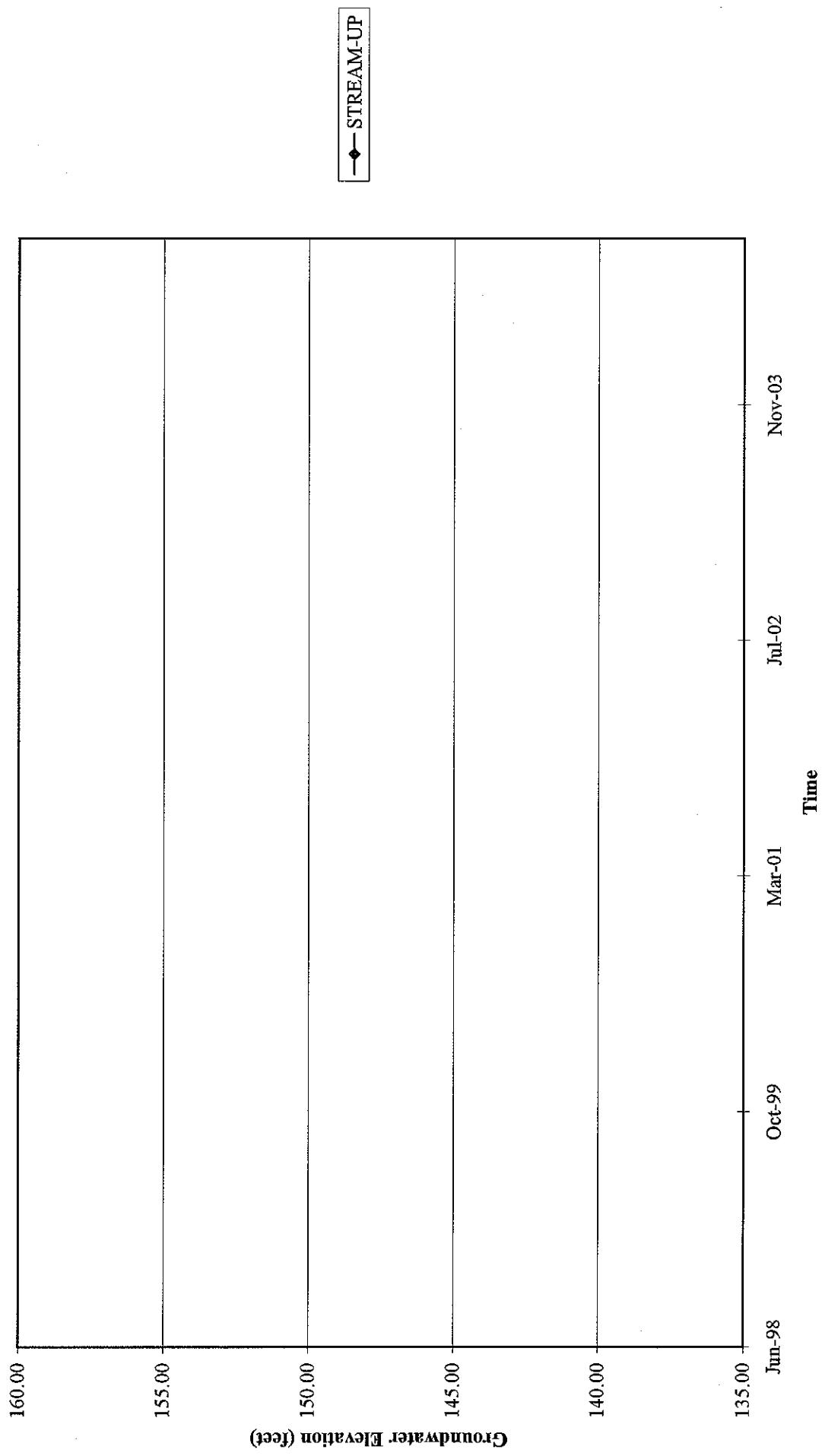
Groundwater Elevations vs. Time  
76 Station 4935



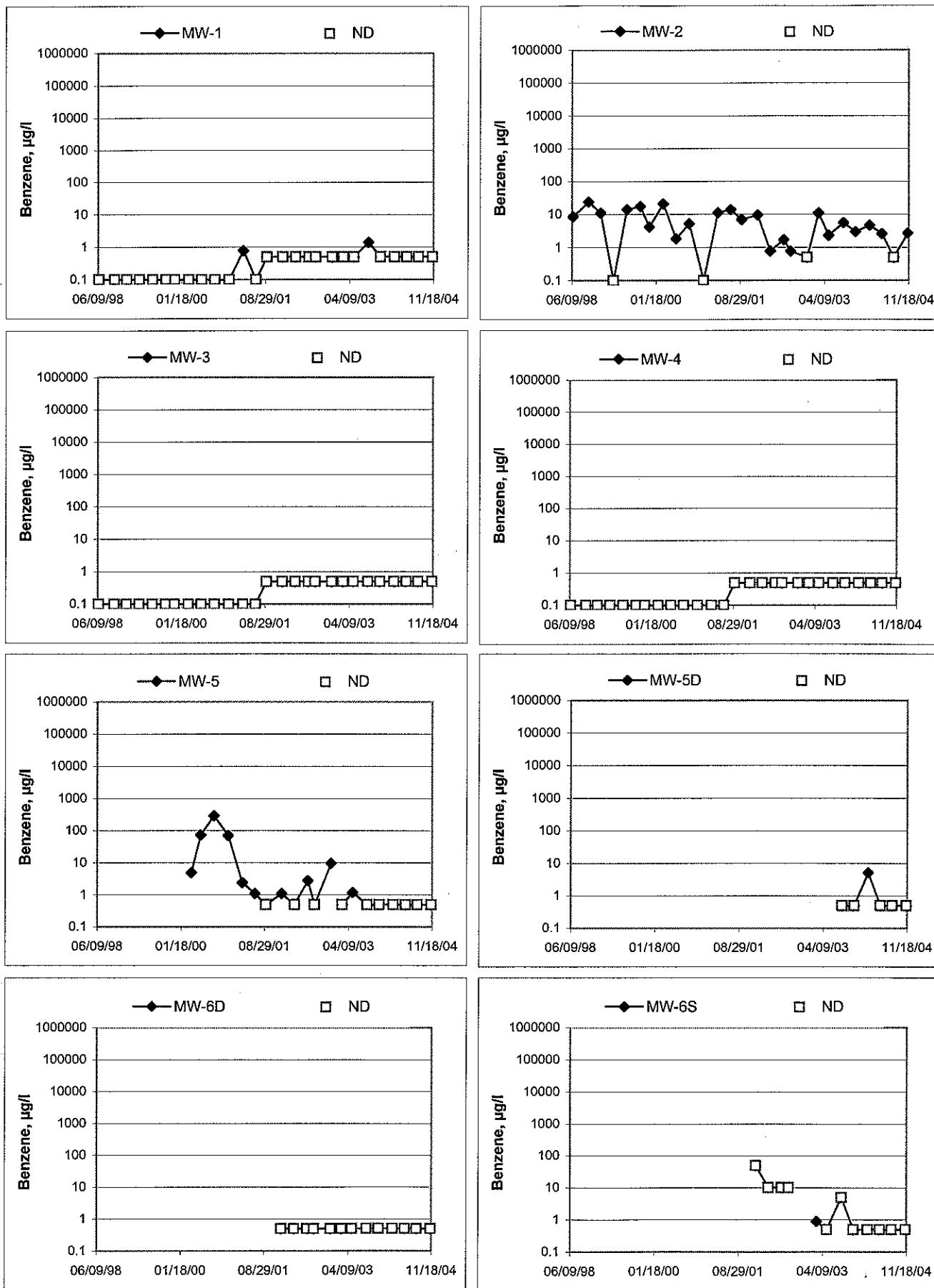
Groundwater Elevations vs. Time  
76 Station 4935



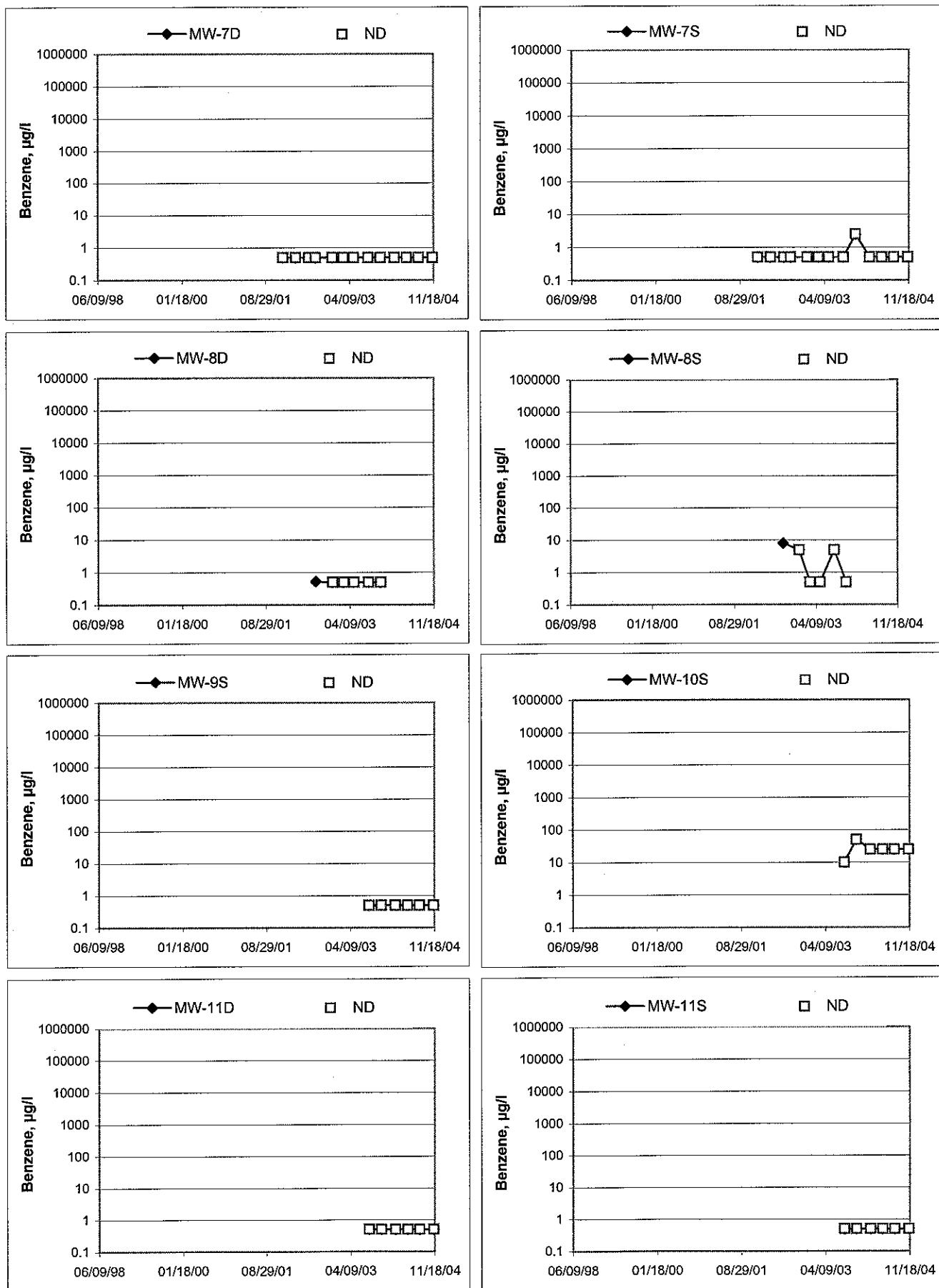
Groundwater Elevations vs. Time  
76 Station 4935



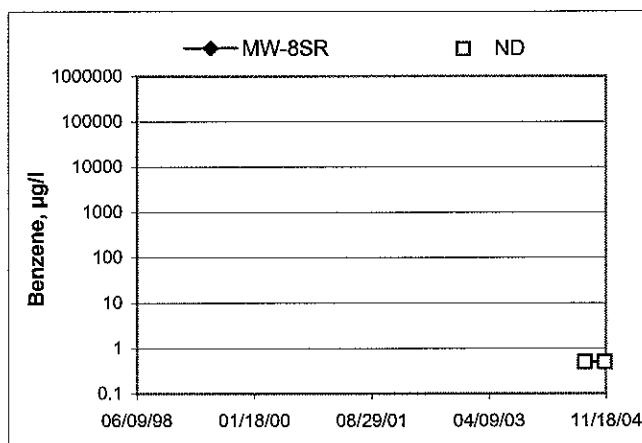
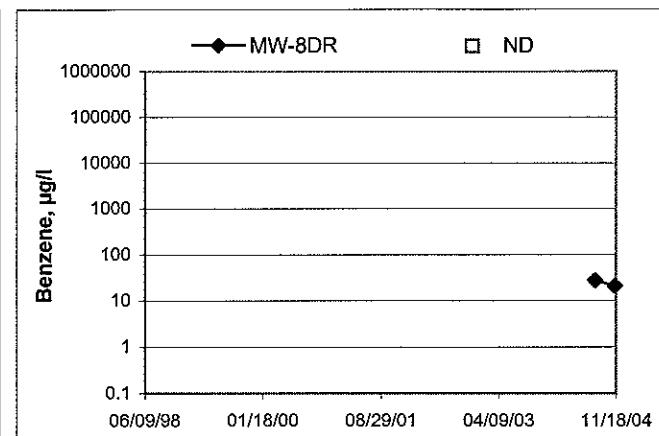
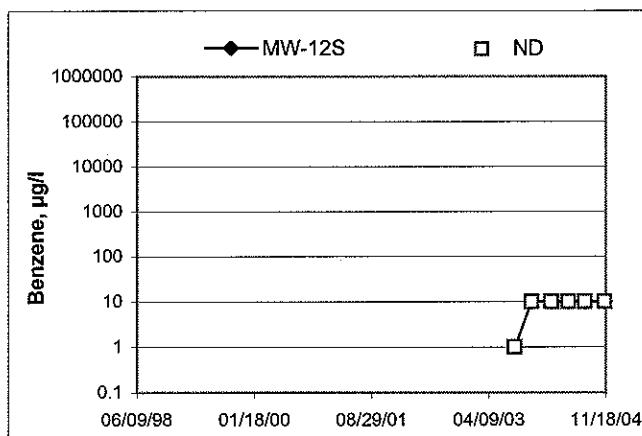
**Benzene Concentrations vs Time**  
76 Station 4935



**Benzene Concentrations vs Time**  
76 Station 4935



**Benzene Concentrations vs Time**  
76 Station 4935



## GENERAL FIELD PROCEDURES

### Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

### Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

### Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

### **Groundwater Sample Collection**

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable,  $\frac{1}{2}$ -inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

### **Sequence of Gauging, Purging, and Sampling**

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

### **Decontamination**

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

### **Exceptions**

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

## FIELD MONITORING DATA SHEET

Technician: Lyon/SOE Job #/Task #: 4100000 / EA-20 Date: 11/11/04  
Site #: 4935 Project Manager: A. COLUMS Page 1 of 1

## FIELD MONITORING DATA SHEET

Technician: Joe

Job #/Task #: 410 50001

Date: 11/11/04

**Site #** 4935

**Project Manager** A. Collins

Page 1 of 1

**FIELD DATA COMPLETE**

QA/QC

COE

## WELL BOX CONDITION SHEETS

**WTT CERTIFICATE**

## MANIFEST

## DRUM INVENTORY

## **TRAFFIC CONTROL**

## **GROUNDWATER SAMPLING FIELD NOTES**

Site: 4935

Technician: Joe

Project No.: 41050001

Date: 11/11/04

Well No.: MW-1

Depth to Water (feet): 4.50

Total Depth (feet): 19.66

Water Column (feet): 15.16

80% Recharge Depth (feet): 7.53

Purge Method: DIA

Depth to Product (feet):    

LPH & Water Recovered (gallons): 81

Casing Diameter (Inches): 2"

1 Well Volume (gallons): 3

Well No.: M-2

Depth to Water (feet): 5.82

Total Depth (feet): 19.70

Water Column (feet): 13.88

Purge Method: DIA

Depth to Product (feet): 8

| PH & Water Recovered (gallons): 2

Casing Diameter (Inches): 2 1/2

## **GROUNDWATER SAMPLING FIELD NOTES**

Technician: 36E

Project No.: 41050001

Date: 11-11-09

Site: 4935

Project No.: 41050001

Purge Method: DIA

Depth to Product (feet): 12

LPH & Water Recovered (gallons):

Casing Diameter (Inches): 2"

1 Well Volume (gallons): 2

Well No.: MW-3

Purge Method: Sub

Depth to Water (feet): 3.66

Depth to Product (feet): 05

Total Depth (feet): 19.30

LPH & Water Recovered (gallons): 

Water Column (feet): 15.64

Casing Diameter (Inches): 2 1/2

80% Recharge Depth (feet): 6.78

1 Well Volume (gallons): 3

# GROUNDWATER SAMPLING FIELD NOTES

302

Site: 4935

Technician: John Doe

Date: 10-11-09

Well No.: W-8DR

Purge Method: Sub

Depth to Water (feet): 12-3

Depth to Product (feet): 6

Total Depth (feet): 39.82

LPH & Water Recovered (gallons):

Water Column (feet): 27.58

Casing Diameter (Inches): 2 1/2

80% Recharge Depth (feet): 17.81

1 Well Volume (gallons): 5

Well No.: MW-8SR

Purge Method: DIA

Depth to Water (feet): 5.04

Depth to Product (feet): 0

Total Depth (feet): 20.96

LPH & Water Recovered (gallons):

Water Column (feet): 15.44

Casing Diameter (Inches): 2 1/2

## **GROUNDWATER SAMPLING FIELD NOTES**

Site: 4935

Technician: Wade

Date: 11/11/04

Well No.: MW-95

Depth to Water (feet): 4.75

Total Depth (feet): 20-10

Water Column (feet): 13.55

80% Recharge Depth (feet): 7.82

Purge Method: He

Depth to Product (feet): \_\_\_\_\_ 0

LPH & Water Recovered (gallons): 0

Casing Diameter (Inches): 29

1 Well Volume (gallons): 3

Well No.: MW 60-

Depth to Water (feet): 10.55

Total Depth (feet): 40.0f

Water Column (feet): 29.23

80% Recharge Depth (feet): 14.5

Purge Method: D

Depth to Product (feet): 6

LPH & Water Recovered (gallons): 6

Casing Diameter (Inches): 2"

1 Well Volume (gallons): \_\_\_\_\_ ✓

# GROUNDWATER SAMPLING FIELD NOTES

Site: 4935

Well No.: MW-12 S \*

Depth to Water (feet): 6.22

Total Depth (feet): 20.27

Water Column (feet): 14.05

80% Recharge Depth (feet): 9.03

Technician: Moore

Project No.: 41000001

Date: 11/11/84

Purge Method: D

Depth to Product (feet): 0

LPH & Water Recovered (gallons): 0

Casing Diameter (Inches): 2"

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
<u>0857</u>			<u>2</u>	<u>680</u>	<u>18.7</u>	<u>6.61</u>		
			<u>4</u>	<u>684</u>	<u>19.3</u>	<u>6.53</u>		
<u>0902</u>			<u>6</u>	<u>693</u>	<u>19.5</u>	<u>6.47</u>		
Static at Time Sampled			Total Gallons Purged				Time Sampled	
<u>6.80</u>			<u>6</u>				<u>1255</u>	

Comments:

Well No.: MW-10 S \*

Depth to Water (feet): 6.26

Total Depth (feet): 20.02

Water Column (feet): 13.82

80% Recharge Depth (feet): 8.96

Purge Method: D

Depth to Product (feet): 0

LPH & Water Recovered (gallons): 0

Casing Diameter (Inches): 2"

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
<u>0843</u>			<u>2</u>	<u>574</u>	<u>18.6</u>	<u>5.47</u>		
			<u>4</u>	<u>568</u>	<u>18.5</u>	<u>5.28</u>		
<u>0848</u>			<u>6</u>	<u>575</u>	<u>19.4</u>	<u>6.01</u>		
Static at Time Sampled			Total Gallons Purged				Time Sampled	
<u>9.42</u>			<u>6</u>				<u>1240</u>	

Comments: 010 NOT RECOVERED IN 24 HRS

## **GROUNDWATER SAMPLING FIELD NOTES**

Site: 4935

Technician: moze

Project No.: 4105001

Date: 11/11/04

Well No.: RW-115

Depth to Water (feet): 6.80

Total Depth (feet): 21.10

Water Column (feet): 14.30

80% Recharge Depth (feet): 9.66

Purge Method: D

Depth to Product (feet): 0

LPH & Water Recovered (gallons): 6

Casing Diameter (Inches): 2"

1 Well Volume (gallons): 2

Well No.: M-110

Depth to Water (feet): 16.35

Total Depth (feet): 47.40

Water Column (feet): 37.65

80% Recharge Depth (feet): 17.76

Purge Method: \_\_\_\_\_

Depth to Product (feet): \_\_\_\_\_ 6

LPH & Water Recovered (gallons): 6

Casing Diameter (Inches): 9"

1 Well Volume (gallons): 4

## GROUNDWATER SAMPLING FIELD NOTES

Site: 4935

Technician: Lyon

Project No.: 41012021

Date: 11/11/04

Well No.: ML-4 S

Purge Method: O

Depth to Water (feet): 5-40

Depth to Product (feet): **8**

Total Depth (feet): 14.82

[ ] PH & Water Recovered (gallons): **6**

Water Column (feet): 14.42

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.25

1 Well Volume (gallons): 2

Well No.: M62-75

Purge Method: \_\_\_\_\_

Depth to Water (feet): 15.65

Depth to Product (feet): **b**

Total Depth (feet): 29.32

| PH & Water Recovered (gallons): **6**

Water Column (feet): 14.17

Casing Diameter (Inches): 3

## **GROUNDWATER SAMPLING FIELD NOTES**

Site: 4935

Technician: WYOMER

Project No.: 410GD841

Date: 21/11/89

Well No.: MW-70

Purge Method: \_\_\_\_\_

Depth to Water (feet): 5.26

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): 20.09

LPH & Water Recovered (gallons): 0

Water Column (feet): 14.89

Casing Diameter (Inches): 20

80% Recharge Depth (feet): 2.17

1 Well Volume (gallons): 2

**Well No.:** \_\_\_\_\_

Purge Method: \_\_\_\_\_

Depth to Water (feet): \_\_\_\_\_

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): \_\_\_\_\_

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): \_\_\_\_\_

Casing Diameter (Inches): \_\_\_\_\_

**TRC Alton Geoscience- Irvine**

December 02, 2004

21 Technology Drive

Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20

Project: Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

Attached is our report for your samples received on 11/12/2004 16:05

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/27/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma  
Project Manager

**Alcohols by GC-FID**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-11S	11/11/2004 13:10	Water	1
MW-11D	11/11/2004 13:16	Water	2
MW-12S	11/11/2004 12:55	Water	3
MW-10S	11/11/2004 12:40	Water	4
MW-9S	11/11/2004 12:20	Water	5
MW-6S	11/11/2004 11:32	Water	6
MW-6D	11/11/2004 11:20	Water	7
MW-7D	11/11/2004 11:50	Water	8
MW-7S	11/11/2004 12:10	Water	9
UPSTREAM	11/11/2004 14:10	Water	10
DOWNSTREAM	11/11/2004 14:20	Water	11
MW-1	11/11/2004 09:40	Water	12
MW-2	11/11/2004 10:12	Water	13
MW-4	11/11/2004 10:48	Water	14
MW-3	11/11/2004 11:38	Water	15
MW-5	11/11/2004 12:50	Water	16
MW-5D	11/11/2004 12:19	Water	17
MW-8SR	11/11/2004 14:06	Water	18
MW-8DR	11/11/2004 14:17	Water	19

## Alcohols by GC-FID

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	MW-11S	Lab ID:	2004-11-0471 - 1
Sampled:	11/11/2004 13:10	Extracted:	11/24/2004 15:58
Matrix:	Water	QC Batch#:	2004/11/24-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/24/2004 15:58	
<b>Surrogate(s)</b> n-Butyl alcohol	97.6	60-130	%	1.00	11/24/2004 15:58	

**Alcohols by GC-FID**

TRC Alton Geoscience- Irvine

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21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	MW-11D	Lab ID:	2004-11-0471 - 2
Sampled:	11/11/2004 13:16	Extracted:	11/24/2004 16:52
Matrix:	Water	QC Batch#:	2004/11/24-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/24/2004 16:52	
<b>Surrogate(s)</b> n-Butyl alcohol	94.4	60-130	%	1.00	11/24/2004 16:52	

**Alcohols by GC-FID**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	<b>MW-12S</b>	Lab ID:	2004-11-0471 - 3
Sampled:	11/11/2004 12:55	Extracted:	11/24/2004 17:10
Matrix:	Water	QC Batch#:	2004/11/24-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/24/2004 17:10	
<b>Surrogate(s)</b> n-Butyl alcohol	97.1	60-130	%	1.00	11/24/2004 17:10	

**Alcohols by GC-FID**

TRC Alton Geoscience- Irvine

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod			
Sample ID:	<b>MW-10S</b>	Lab ID:	2004-11-0471 - 4			
Sampled:	11/11/2004 12:40	Extracted:	11/24/2004 17:28			
Matrix:	Water	QC Batch#:	2004/11/24-01.20			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/24/2004 17:28	
<b>Surrogate(s)</b>						
n-Butyl alcohol	93.0	60-130	%	1.00	11/24/2004 17:28	

**Alcohols by GC-FID**

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Irvine, CA 92718

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	<b>MW-9S</b>	Lab ID:	2004-11-0471 - 5
Sampled:	11/11/2004 12:20	Extracted:	11/24/2004 17:46
Matrix:	Water	QC Batch#:	2004/11/24-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/24/2004 17:46	
<b>Surrogate(s)</b>						
n-Butyl alcohol	98.0	60-130	%	1.00	11/24/2004 17:46	

**Alcohols by GC-FID**

TRC Alton Geoscience- Irvine

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21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	<b>MW-6S</b>	Lab ID:	2004-11-0471 - 6
Sampled:	11/11/2004 11:32	Extracted:	11/29/2004 13:35
Matrix:	Water	QC Batch#:	2004/11/29-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/29/2004 13:35	
<b>Surrogate(s)</b> n-Butyl alcohol	116.5	60-130	%	1.00	11/29/2004 13:35	

**Alcohols by GC-FID**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s): 8015M Alcohols

Test(s): 8015Mod

Sample ID: MW-6D

Lab ID: 2004-11-0471 - 7

Sampled: 11/11/2004 11:20

Extracted: 11/24/2004 18:22

Matrix: Water

QC Batch#: 2004/11/24-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/24/2004 18:22	
<b>Surrogate(s)</b> n-Butyl alcohol	77.5	60-130	%	1.00	11/24/2004 18:22	

**Alcohols by GC-FID**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	MW-7D	Lab ID:	2004-11-0471 - 8
Sampled:	11/11/2004 11:50	Extracted:	11/24/2004 18:40
Matrix:	Water	QC Batch#:	2004/11/24-01.20
Compound		Conc.	RL
Methanol		ND	10
<b>Surrogate(s)</b>			mg/L
n-Butyl alcohol		81.7	60-130
		%	
		1.00	11/24/2004 18:40
		1.00	11/24/2004 18:40

**Alcohols by GC-FID**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	<b>MW-7S</b>	Lab ID:	2004-11-0471 - 9
Sampled:	11/11/2004 12:10	Extracted:	11/29/2004 13:53
Matrix:	Water	QC Batch#:	2004/11/29-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/29/2004 13:53	
<b>Surrogate(s)</b> n-Butyl alcohol	117.3	60-130	%	1.00	11/29/2004 13:53	

**Alcohols by GC-FID**

TRC Alton Geoscience- Irvine

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	<b>UPSTREAM</b>	Lab ID:	2004-11-0471 - 10
Sampled:	11/11/2004 14:10	Extracted:	11/24/2004 19:16
Matrix:	Water	QC Batch#:	2004/11/24-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/24/2004 19:16	
<b>Surrogate(s)</b>						
n-Butyl alcohol	110.1	60-130	%	1.00	11/24/2004 19:16	

**Alcohols by GC-FID**

TRC Alton Geoscience- Irvine

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	<b>DOWNSTREAM</b>	Lab ID:	2004-11-0471 - 11
Sampled:	11/11/2004 14:20	Extracted:	11/29/2004 18:23
Matrix:	Water	QC Batch#:	2004/11/29-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/29/2004 18:23	
<b>Surrogate(s)</b> n-Butyl alcohol	98.2	60-130	%	1.00	11/29/2004 18:23	

**Alcohols by GC-FID**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod			
Sample ID:	MW-1	Lab ID:	2004-11-0471 - 12			
Sampled:	11/11/2004 09:40	Extracted:	11/29/2004 14:28			
Matrix:	Water	QC Batch#:	2004/11/29-01.20			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/29/2004 14:28	
<b>Surrogate(s)</b>						
n-Butyl alcohol	108.9	60-130	%	1.00	11/29/2004 14:28	

**Alcohols by GC-FID**

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Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s): 8015M Alcohols

Test(s): 8015Mod

Sample ID: MW-2

Lab ID: 2004-11-0471 - 13

Sampled: 11/11/2004 10:12

Extracted: 11/29/2004 14:46

Matrix: Water

QC Batch#: 2004/11/29-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/29/2004 14:46	
<b>Surrogate(s)</b> n-Butyl alcohol	92.4	60-130	%	1.00	11/29/2004 14:46	

**Alcohols by GC-FID**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod			
Sample ID:	MW-4	Lab ID:	2004-11-0471 - 14			
Sampled:	11/11/2004 10:48	Extracted:	11/29/2004 15:22			
Matrix:	Water	QC Batch#:	2004/11/29-01.20			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/29/2004 15:22	
<b>Surrogate(s)</b>						
n-Butyl alcohol	120.2	60-130	%	1.00	11/29/2004 15:22	

**Alcohols by GC-FID**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	MW-3	Lab ID:	2004-11-0471 - 15
Sampled:	11/11/2004 11:38	Extracted:	11/29/2004 18:41
Matrix:	Water	QC Batch#:	2004/11/29-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/29/2004 18:41	
<b>Surrogate(s)</b> n-Butyl alcohol	99.9	60-130	%	1.00	11/29/2004 18:41	

**Alcohols by GC-FID**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	MW-5	Lab ID:	2004-11-0471 - 16
Sampled:	11/11/2004 12:50	Extracted:	11/29/2004 15:58
Matrix:	Water	QC Batch#:	2004/11/29-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/29/2004 15:58	
<b>Surrogate(s)</b> n-Butyl alcohol	104.1	60-130	%	1.00	11/29/2004 15:58	

**Alcohols by GC-FID**

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Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	MW-5D	Lab ID:	2004-11-0471 - 17
Sampled:	11/11/2004 12:19	Extracted:	11/29/2004 16:16
Matrix:	Water	QC Batch#:	2004/11/29-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/29/2004 16:16	
<b>Surrogate(s)</b>						
n-Butyl alcohol	97.9	60-130	%	1.00	11/29/2004 16:16	

**Alcohols by GC-FID**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	MW-8SR	Lab ID:	2004-11-0471 - 18
Sampled:	11/11/2004 14:06	Extracted:	11/29/2004 16:34
Matrix:	Water	QC Batch#:	2004/11/29-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	10	mg/L	1.00	11/29/2004 16:34	
<b>Surrogate(s)</b> n-Butyl alcohol	100.0	60-130	%	1.00	11/29/2004 16:34	

**Alcohols by GC-FID**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	MW-8DR	Lab ID:	2004-11-0471 - 19
Sampled:	11/11/2004 14:17	Extracted:	11/29/2004 16:51
Matrix:	Water	QC Batch#:	2004/11/29-01.20
Compound		Conc.	RL
Methanol		ND	10
<b>Surrogate(s)</b>			mg/L
n-Butyl alcohol		96.4	60-130
		%	
		1.00	11/29/2004 16:51
		1.00	11/29/2004 16:51

**Alcohols by GC-FID**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 8015M Alcohols

Test(s): 8015Mod

**Method Blank**

Water

**QC Batch # 2004/11/24-01.20**

MB: 2004/11/24-01.20-002

Date Extracted: 11/24/2004 15:40

Compound	Conc.	RL	Unit	Analyzed	Flag
Methanol	ND	10	mg/L	11/24/2004 15:40	
<b>Surrogates(s)</b> n-Butyl alcohol	96.0	60-130	%	11/24/2004 15:40	

**Alcohols by GC-FID**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 8015M Alcohols

Test(s): 8015Mod

**Method Blank****Water****QC Batch # 2004/11/29-01.20**

MB: 2004/11/29-01.20-001

Date Extracted: 11/29/2004 10:42

Compound	Conc.	RL	Unit	Analyzed	Flag
Methanol	ND	10	mg/L	11/29/2004 10:42	
<b>Surrogates(s)</b> n-Butyl alcohol	93.2	60-130	%	11/29/2004 10:42	

**Alcohols by GC-FID**

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 8015M Alcohols

Test(s): 8015Mod

**Laboratory Control Spike****Water****QC Batch # 2004/11/24-01.20**

LCS 2004/11/24-01.20-001

Extracted: 11/24/2004

Analyzed: 11/24/2004 15:23

LCSD

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methanol	45.9		50.0	91.8			60-130	25		
<b>Surrogates(s)</b> n-Butyl alcohol	47.4		50	94.8			60-130	0		

**Alcohols by GC-FID**

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 8015M Alcohols

Test(s): 8015Mod

**Laboratory Control Spike****Water****QC Batch # 2004/11/29-01.20**

LCS 2004/11/29-01.20-002

Extracted: 11/29/2004

Analyzed: 11/29/2004 10:25

LCSD

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methanol	45.7		50.0	91.4			60-130	25		
<b>Surrogates(s)</b> n-Butyl alcohol	49.6		50	99.2			60-130	0		

**Alcohols by GC-FID**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 8015M Alcohols

Test(s): 8015Mod

**Matrix Spike ( MS / MSD )****Water****QC Batch # 2004/11/24-01.20**

MW-11S &gt;&gt; MS

Lab ID: 2004-11-0471 - 001

MS: 2004/11/24-01.20-003

Extracted: 11/24/2004

Analyzed: 11/24/2004 16:16

MSD: 2004/11/24-01.20-004

Extracted: 11/24/2004

Dilution: 1.00

Analyzed: 11/24/2004 16:34

Dilution: 1.00

Compound	Conc. mg/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		mg/L	MS	MSD	RPD	Rec.	RPD	MS
Methanol	44.6	44.9	ND	50	89.2	89.8	0.7	60-130	25		
<b>Surrogate(s)</b> n-Butyl alcohol	47.0	46.5		50	94.0	93.0		60-130	0		

**Alcohols by GC-FID**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s):	8015M Alcohols	Test(s):	8015Mod
<b>Matrix Spike ( MS / MSD )</b>		<b>Water</b>	<b>QC Batch # 2004/11/29-01.20</b>
MS/MSD		Lab ID:	2004-11-0548 - 005
MS:	2004/11/29-01.20-003	Extracted:	11/29/2004
MSD:	2004/11/29-01.20-004	Extracted:	11/29/2004
		Analyzed:	11/29/2004 11:37
		Dilution:	1.00
		Analyzed:	11/29/2004 11:55
		Dilution:	1.00

Compound	Conc.			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		mg/L	MS	MSD	RPD	Rec.	RPD	MS
Methanol	46.0	45.1	ND	50.0	92.0	90.2	2.0	60-130	25		
<b>Surrogate(s)</b> n-Butyl alcohol	36.9	38.9		50	73.8	77.8		60-130	0		

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-11S	11/11/2004 13:10	Water	1
MW-11D	11/11/2004 13:16	Water	2
MW-12S	11/11/2004 12:55	Water	3
MW-10S	11/11/2004 12:40	Water	4
MW-9S	11/11/2004 12:20	Water	5
MW-6S	11/11/2004 11:32	Water	6
MW-6D	11/11/2004 11:20	Water	7
MW-7D	11/11/2004 11:50	Water	8
MW-7S	11/11/2004 12:10	Water	9
UPSTREAM	11/11/2004 14:10	Water	10
DOWNSTREAM	11/11/2004 14:20	Water	11
MW-1	11/11/2004 09:40	Water	12
MW-2	11/11/2004 10:12	Water	13
MW-4	11/11/2004 10:48	Water	14
MW-3	11/11/2004 11:38	Water	15
MW-5	11/11/2004 12:50	Water	16
MW-5D	11/11/2004 12:19	Water	17
MW-8SR	11/11/2004 14:06	Water	18
MW-8DR	11/11/2004 14:17	Water	19

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine  
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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>MW-11S</b>	Lab ID:	2004-11-0471 - 1
Sampled:	11/11/2004 13:10	Extracted:	11/25/2004 12:26
Matrix:	Water	QC Batch#:	2004/11/25-1D.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	200	50	ug/L	1.00	11/25/2004 12:26	Q6
Benzene	ND	0.50	ug/L	1.00	11/25/2004 12:26	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 12:26	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 12:26	
Total xylenes	ND	1.0	ug/L	1.00	11/25/2004 12:26	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/25/2004 12:26	
Methyl tert-butyl ether (MTBE)	3.1	0.50	ug/L	1.00	11/25/2004 12:26	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/25/2004 12:26	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 12:26	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 12:26	
Ethanol	ND	50	ug/L	1.00	11/25/2004 12:26	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.2	73-130	%	1.00	11/25/2004 12:26	
Toluene-d8	91.3	81-114	%	1.00	11/25/2004 12:26	

## Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-11D	Lab ID:	2004-11-0471 - 2
Sampled:	11/11/2004 13:16	Extracted:	11/25/2004 15:24
Matrix:	Water	QC Batch#:	2004/11/25-1D:66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/25/2004 15:24	
Benzene	ND	0.50	ug/L	1.00	11/25/2004 15:24	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 15:24	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 15:24	
Total xylenes	ND	1.0	ug/L	1.00	11/25/2004 15:24	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/25/2004 15:24	
Methyl tert-butyl ether (MTBE)	1.5	0.50	ug/L	1.00	11/25/2004 15:24	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/25/2004 15:24	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 15:24	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 15:24	
Ethanol	ND	50	ug/L	1.00	11/25/2004 15:24	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.2	73-130	%	1.00	11/25/2004 15:24	
Toluene-d8	95.1	81-114	%	1.00	11/25/2004 15:24	

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-12S	Lab ID:	2004-11-0471 - 3
Sampled:	11/11/2004 12:55	Extracted:	11/25/2004 15:47
Matrix:	Water	QC Batch#:	2004/11/25-1D.66

Analysis Flag: L1 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2800	1000	ug/L	20.00	11/25/2004 15:47	Q6
Benzene	ND	10	ug/L	20.00	11/25/2004 15:47	
Toluene	ND	10	ug/L	20.00	11/25/2004 15:47	
Ethylbenzene	ND	10	ug/L	20.00	11/25/2004 15:47	
Total xylenes	ND	20	ug/L	20.00	11/25/2004 15:47	
tert-Butyl alcohol (TBA)	ND	100	ug/L	20.00	11/25/2004 15:47	
Methyl tert-butyl ether (MTBE)	ND	10	ug/L	20.00	11/25/2004 15:47	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	20.00	11/25/2004 15:47	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	20.00	11/25/2004 15:47	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	20.00	11/25/2004 15:47	
Ethanol	ND	1000	ug/L	20.00	11/25/2004 15:47	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.9	73-130	%	20.00	11/25/2004 15:47	
Toluene-d8	94.6	81-114	%	20.00	11/25/2004 15:47	

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-10S	Lab ID: 2004-11-0471 - 4
Sampled: 11/11/2004 12:40	Extracted: 11/25/2004 16:09
Matrix: Water	QC Batch#: 2004/11/25-1D.66

Analysis Flag: L1 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	8400	2500	ug/L	50.00	11/25/2004 16:09	Q6
Benzene	ND	25	ug/L	50.00	11/25/2004 16:09	
Toluene	ND	25	ug/L	50.00	11/25/2004 16:09	
Ethylbenzene	ND	25	ug/L	50.00	11/25/2004 16:09	
Total xylenes	ND	50	ug/L	50.00	11/25/2004 16:09	
tert-Butyl alcohol (TBA)	ND	250	ug/L	50.00	11/25/2004 16:09	
Methyl tert-butyl ether (MTBE)	ND	25	ug/L	50.00	11/25/2004 16:09	
Di-isopropyl Ether (DIPE)	ND	50	ug/L	50.00	11/25/2004 16:09	
Ethyl tert-butyl ether (ETBE)	ND	25	ug/L	50.00	11/25/2004 16:09	
tert-Amyl methyl ether (TAME)	ND	25	ug/L	50.00	11/25/2004 16:09	
Ethanol	ND	2500	ug/L	50.00	11/25/2004 16:09	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.2	73-130	%	50.00	11/25/2004 16:09	
Toluene-d8	93.8	81-114	%	50.00	11/25/2004 16:09	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>MW-9S</b>	Lab ID:	2004-11-0471 - 5
Sampled:	11/11/2004 12:20	Extracted:	11/25/2004 16:32
Matrix:	Water	QC Batch#:	2004/11/25-1D.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/25/2004 16:32	
Benzene	ND	0.50	ug/L	1.00	11/25/2004 16:32	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 16:32	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 16:32	
Total xylenes	ND	1.0	ug/L	1.00	11/25/2004 16:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/25/2004 16:32	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/25/2004 16:32	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/25/2004 16:32	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 16:32	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 16:32	
Ethanol	ND	50	ug/L	1.00	11/25/2004 16:32	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.2	73-130	%	1.00	11/25/2004 16:32	
Toluene-d8	98.3	81-114	%	1.00	11/25/2004 16:32	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-6S	Lab ID:	2004-11-0471 - 6
Sampled:	11/11/2004 11:32	Extracted:	11/25/2004 18:21
Matrix:	Water	QC Batch#:	2004/11/25-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/25/2004 18:21	
Benzene	ND	0.50	ug/L	1.00	11/25/2004 18:21	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 18:21	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 18:21	
Total xylenes	ND	1.0	ug/L	1.00	11/25/2004 18:21	
tert-Butyl alcohol (TBA)	98	5.0	ug/L	1.00	11/25/2004 18:21	
Methyl tert-butyl ether (MTBE)	3.7	0.50	ug/L	1.00	11/25/2004 18:21	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/25/2004 18:21	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 18:21	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 18:21	
Ethanol	ND	50	ug/L	1.00	11/25/2004 18:21	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	116.7	73-130	%	1.00	11/25/2004 18:21	
Toluene-d8	109.1	81-114	%	1.00	11/25/2004 18:21	

## Gas/BTEX Fuel Oxygenates by 8260B

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Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-6D	Lab ID:	2004-11-0471 - 7
Sampled:	11/11/2004 11:20	Extracted:	11/25/2004 18:44
Matrix:	Water	QC Batch#:	2004/11/25-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	86	50	ug/L	1.00	11/25/2004 18:44	Q6
Benzene	ND	0.50	ug/L	1.00	11/25/2004 18:44	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 18:44	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 18:44	
Total xylenes	ND	1.0	ug/L	1.00	11/25/2004 18:44	
tert-Butyl alcohol (TBA)	7.3	5.0	ug/L	1.00	11/25/2004 18:44	
Methyl tert-butyl ether (MTBE)	90	0.50	ug/L	1.00	11/25/2004 18:44	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/25/2004 18:44	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 18:44	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 18:44	
Ethanol	ND	50	ug/L	1.00	11/25/2004 18:44	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	114.1	73-130	%	1.00	11/25/2004 18:44	
Toluene-d8	108.0	81-114	%	1.00	11/25/2004 18:44	

## Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-7D	Lab ID:	2004-11-0471 - 8
Sampled:	11/11/2004 11:50	Extracted:	11/25/2004 19:06
Matrix:	Water	QC Batch#:	2004/11/25-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/25/2004 19:06	
Benzene	ND	0.50	ug/L	1.00	11/25/2004 19:06	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 19:06	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 19:06	
Total xylenes	ND	1.0	ug/L	1.00	11/25/2004 19:06	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/25/2004 19:06	
Methyl tert-butyl ether (MTBE)	0.64	0.50	ug/L	1.00	11/25/2004 19:06	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/25/2004 19:06	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 19:06	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 19:06	
Ethanol	ND	50	ug/L	1.00	11/25/2004 19:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	115.9	73-130	%	1.00	11/25/2004 19:06	
Toluene-d8	108.9	81-114	%	1.00	11/25/2004 19:06	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>MW-7S</b>	Lab ID:	2004-11-0471 - 9
Sampled:	11/11/2004 12:10	Extracted:	11/25/2004 19:29
Matrix:	Water	QC Batch#:	2004/11/25-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/25/2004 19:29	
Benzene	ND	0.50	ug/L	1.00	11/25/2004 19:29	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 19:29	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 19:29	
Total xylenes	ND	1.0	ug/L	1.00	11/25/2004 19:29	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/25/2004 19:29	
Methyl tert-butyl ether (MTBE)	1.9	0.50	ug/L	1.00	11/25/2004 19:29	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/25/2004 19:29	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 19:29	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 19:29	
Ethanol	ND	50	ug/L	1.00	11/25/2004 19:29	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	117.3	73-130	%	1.00	11/25/2004 19:29	
Toluene-d8	109.4	81-114	%	1.00	11/25/2004 19:29	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>UPSTREAM</b>	Lab ID:	2004-11-0471 - 10
Sampled:	11/11/2004 14:10	Extracted:	11/25/2004 19:51
Matrix:	Water	QC Batch#:	2004/11/25-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/25/2004 19:51	
Benzene	ND	0.50	ug/L	1.00	11/25/2004 19:51	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 19:51	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 19:51	
Total xylenes	ND	1.0	ug/L	1.00	11/25/2004 19:51	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/25/2004 19:51	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/25/2004 19:51	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/25/2004 19:51	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 19:51	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 19:51	
Ethanol	ND	50	ug/L	1.00	11/25/2004 19:51	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	113.8	73-130	%	1.00	11/25/2004 19:51	
Toluene-d8	109.9	81-114	%	1.00	11/25/2004 19:51	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	DOWNSTREAM	Lab ID:	2004-11-0471 - 11
Sampled:	11/11/2004 14:20	Extracted:	11/25/2004 20:14
Matrix:	Water	QC Batch#:	2004/11/25-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/25/2004 20:14	
Benzene	ND	0.50	ug/L	1.00	11/25/2004 20:14	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 20:14	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 20:14	
Total xylenes	ND	1.0	ug/L	1.00	11/25/2004 20:14	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/25/2004 20:14	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/25/2004 20:14	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/25/2004 20:14	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 20:14	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 20:14	
Ethanol	ND	50	ug/L	1.00	11/25/2004 20:14	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	118.1	73-130	%	1.00	11/25/2004 20:14	
Toluene-d8	109.2	81-114	%	1.00	11/25/2004 20:14	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-1	Lab ID:	2004-11-0471 - 12
Sampled:	11/11/2004 09:40	Extracted:	11/25/2004 20:36
Matrix:	Water	QC Batch#:	2004/11/25-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/25/2004 20:36	
Benzene	ND	0.50	ug/L	1.00	11/25/2004 20:36	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 20:36	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 20:36	
Total xylenes	ND	1.0	ug/L	1.00	11/25/2004 20:36	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/25/2004 20:36	
Methyl tert-butyl ether (MTBE)	4.9	0.50	ug/L	1.00	11/25/2004 20:36	
Di-isopropyl Ether (DIPE)	1.3	1.0	ug/L	1.00	11/25/2004 20:36	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 20:36	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 20:36	
Ethanol	ND	50	ug/L	1.00	11/25/2004 20:36	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	116.7	73-130	%	1.00	11/25/2004 20:36	
Toluene-d8	108.2	81-114	%	1.00	11/25/2004 20:36	

## Gas/BTEX Fuel Oxygenates by 8260B

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Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-2	Lab ID:	2004-11-0471 - 13
Sampled:	11/11/2004 10:12	Extracted:	11/25/2004 20:59
Matrix:	Water	QC Batch#:	2004/11/25-2A-64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	260	50	ug/L	1.00	11/25/2004 20:59	
Benzene	2.7	0.50	ug/L	1.00	11/25/2004 20:59	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 20:59	
Ethylbenzene	2.8	0.50	ug/L	1.00	11/25/2004 20:59	
Total xylenes	1.3	1.0	ug/L	1.00	11/25/2004 20:59	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/25/2004 20:59	
Methyl tert-butyl ether (MTBE)	8.7	0.50	ug/L	1.00	11/25/2004 20:59	
Di-isopropyl Ether (DIPE)	1.1	1.0	ug/L	1.00	11/25/2004 20:59	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 20:59	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 20:59	
Ethanol	ND	50	ug/L	1.00	11/25/2004 20:59	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	117.1	73-130	%	1.00	11/25/2004 20:59	
Toluene-d8	107.1	81-114	%	1.00	11/25/2004 20:59	

## Gas/BTEX Fuel Oxygenates by 8260B

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Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-4	Lab ID:	2004-11-0471 - 14
Sampled:	11/11/2004 10:48	Extracted:	11/25/2004 21:21
Matrix:	Water	QC Batch#:	2004/11/25-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/25/2004 21:21	
Benzene	ND	0.50	ug/L	1.00	11/25/2004 21:21	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 21:21	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 21:21	
Total xylenes	ND	1.0	ug/L	1.00	11/25/2004 21:21	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/25/2004 21:21	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/25/2004 21:21	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/25/2004 21:21	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 21:21	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 21:21	
Ethanol	ND	50	ug/L	1.00	11/25/2004 21:21	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	118.0	73-130	%	1.00	11/25/2004 21:21	
Toluene-d8	107.1	81-114	%	1.00	11/25/2004 21:21	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2004-11-0471 - 15
Sampled:	11/11/2004 11:38	Extracted:	11/25/2004 21:44
Matrix:	Water	QC Batch#:	2004/11/25-2A.64
Compound	Conc.	RL	Unit
Gasoline	ND	50	ug/L
Benzene	ND	0.50	ug/L
Toluene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Total xylenes	ND	1.0	ug/L
tert-Butyl alcohol (TBA)	ND	5.0	ug/L
Methyl tert-butyl ether (MTBE)	1.2	0.50	ug/L
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L
Ethanol	ND	50	ug/L
Surrogate(s)			
1,2-Dichloroethane-d4	120.1	73-130	%
Toluene-d8	108.3	81-114	%

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-5	Lab ID:	2004-11-0471 - 16
Sampled:	11/11/2004 12:50	Extracted:	11/25/2004 22:06
Matrix:	Water	QC Batch#:	2004/11/25-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	52	50	ug/L	1.00	11/25/2004 22:06	Q6
Benzene	ND	0.50	ug/L	1.00	11/25/2004 22:06	
Toluene	ND	0.50	ug/L	1.00	11/25/2004 22:06	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 22:06	
Total xylenes	ND	1.0	ug/L	1.00	11/25/2004 22:06	
tert-Butyl alcohol (TBA)	39	5.0	ug/L	1.00	11/25/2004 22:06	
Methyl tert-butyl ether (MTBE)	11	0.50	ug/L	1.00	11/25/2004 22:06	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/25/2004 22:06	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 22:06	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 22:06	
Ethanol	ND	50	ug/L	1.00	11/25/2004 22:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	124.7	73-130	%	1.00	11/25/2004 22:06	
Toluene-d8	107.0	81-114	%	1.00	11/25/2004 22:06	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B			
Sample ID:	MW-5D	Lab ID:	2004-11-0471 - 17			
Sampled:	11/11/2004 12:19	Extracted:	11/25/2004 22:28			
Matrix:	Water	QC Batch#:	2004/11/25-2A.64			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/25/2004 22:28	
Benzene	ND	0.50	ug/L	1.00	11/25/2004 22:28	
Toluene	0.62	0.50	ug/L	1.00	11/25/2004 22:28	
Ethylbenzene	ND	0.50	ug/L	1.00	11/25/2004 22:28	
Total xylenes	1.7	1.0	ug/L	1.00	11/25/2004 22:28	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/25/2004 22:28	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/25/2004 22:28	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/25/2004 22:28	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/25/2004 22:28	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/25/2004 22:28	
Ethanol	ND	50	ug/L	1.00	11/25/2004 22:28	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	118.4	73-130	%	1.00	11/25/2004 22:28	
Toluene-d8	109.1	81-114	%	1.00	11/25/2004 22:28	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s): 5030B  
Sample ID: MW-8SR  
Sampled: 11/11/2004 14:06  
Matrix: Water

Test(s): 8260B  
Lab ID: 2004-11-0471 - 18  
Extracted: 11/27/2004 09:02  
QC Batch#: 2004/11/27-1C.64

Analysis Flag: H1 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	51	50	ug/L	1.00	11/27/2004 09:02	Q6
Benzene	ND	0.50	ug/L	1.00	11/27/2004 09:02	
Toluene	0.57	0.50	ug/L	1.00	11/27/2004 09:02	
Ethylbenzene	ND	0.50	ug/L	1.00	11/27/2004 09:02	
Total xylenes	ND	1.0	ug/L	1.00	11/27/2004 09:02	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/27/2004 09:02	
Methyl tert-butyl ether (MTBE)	1.5	0.50	ug/L	1.00	11/27/2004 09:02	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/27/2004 09:02	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/27/2004 09:02	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/27/2004 09:02	
Ethanol	ND	50	ug/L	1.00	11/27/2004 09:02	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	120.7	73-130	%	1.00	11/27/2004 09:02	
Toluene-d8	106.7	81-114	%	1.00	11/27/2004 09:02	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>MW-8DR</b>	Lab ID:	2004-11-0471 - 19
Sampled:	11/11/2004 14:17	Extracted:	11/27/2004 19:40
Matrix:	Water	QC Batch#:	2004/11/27-2C.64
Analysis Flag: L2,H1 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1600	1000	ug/L	20.00	11/27/2004 19:40	
Benzene	21	10	ug/L	20.00	11/27/2004 19:40	
Toluene	16	10	ug/L	20.00	11/27/2004 19:40	
Ethylbenzene	ND	10	ug/L	20.00	11/27/2004 19:40	
Total xylenes	96	20	ug/L	20.00	11/27/2004 19:40	
tert-Butyl alcohol (TBA)	680	100	ug/L	20.00	11/27/2004 19:40	
Methyl tert-butyl ether (MTBE)	1300	10	ug/L	20.00	11/27/2004 19:40	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	20.00	11/27/2004 19:40	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	20.00	11/27/2004 19:40	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	20.00	11/27/2004 19:40	
Ethanol	ND	1000	ug/L	20.00	11/27/2004 19:40	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	111.0	73-130	%	20.00	11/27/2004 19:40	
Toluene-d8	103.7	81-114	%	20.00	11/27/2004 19:40	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/11/25-1D.66

MB: 2004/11/25-1D.66-014

Date Extracted: 11/25/2004 08:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/25/2004 08:14	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/25/2004 08:14	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/25/2004 08:14	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	11/25/2004 08:14	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	11/25/2004 08:14	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	11/25/2004 08:14	
Benzene	ND	0.5	ug/L	11/25/2004 08:14	
Toluene	ND	0.5	ug/L	11/25/2004 08:14	
Ethylbenzene	ND	0.5	ug/L	11/25/2004 08:14	
Total xylenes	ND	1.0	ug/L	11/25/2004 08:14	
Ethanol	ND	50	ug/L	11/25/2004 08:14	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	96.0	73-130	%	11/25/2004 08:14	
Toluene-d8	97.6	81-114	%	11/25/2004 08:14	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank****Water****QC Batch # 2004/11/25-2A.64**

MB: 2004/11/25-2A.64-059

Date Extracted: 11/25/2004 17:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/25/2004 17:59	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/25/2004 17:59	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/25/2004 17:59	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	11/25/2004 17:59	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	11/25/2004 17:59	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	11/25/2004 17:59	
Benzene	ND	0.5	ug/L	11/25/2004 17:59	
Toluene	ND	0.5	ug/L	11/25/2004 17:59	
Ethylbenzene	ND	0.5	ug/L	11/25/2004 17:59	
Total xylenes	ND	1.0	ug/L	11/25/2004 17:59	
Ethanol	ND	50	ug/L	11/25/2004 17:59	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	111.8	73-130	%	11/25/2004 17:59	
Toluene-d8	107.6	81-114	%	11/25/2004 17:59	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank****Water****QC Batch # 2004/11/27-1C.64**

MB: 2004/11/27-1C.64-051

Date Extracted: 11/27/2004 07:51

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/27/2004 07:51	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/27/2004 07:51	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/27/2004 07:51	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	11/27/2004 07:51	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	11/27/2004 07:51	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	11/27/2004 07:51	
Benzene	ND	0.5	ug/L	11/27/2004 07:51	
Toluene	ND	0.5	ug/L	11/27/2004 07:51	
Ethylbenzene	ND	0.5	ug/L	11/27/2004 07:51	
Total xylenes	ND	1.0	ug/L	11/27/2004 07:51	
Ethanol	ND	50	ug/L	11/27/2004 07:51	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	111.6	73-130	%	11/27/2004 07:51	
Toluene-d8	109.2	81-114	%	11/27/2004 07:51	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

Water

QC Batch # 2004/11/27-2C.64

MB: 2004/11/27-2C.64-010

Date Extracted: 11/27/2004 19:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/27/2004 19:10	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/27/2004 19:10	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/27/2004 19:10	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	11/27/2004 19:10	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	11/27/2004 19:10	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	11/27/2004 19:10	
Benzene	ND	0.5	ug/L	11/27/2004 19:10	
Toluene	ND	0.5	ug/L	11/27/2004 19:10	
Ethylbenzene	ND	0.5	ug/L	11/27/2004 19:10	
Total xylenes	ND	1.0	ug/L	11/27/2004 19:10	
Ethanol	ND	50	ug/L	11/27/2004 19:10	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	114.0	73-130	%	11/27/2004 19:10	
Toluene-d8	105.0	81-114	%	11/27/2004 19:10	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike****Water****QC Batch # 2004/11/25-1D.66**

LCS 2004/11/25-1D.66-027

Extracted: 11/25/2004

Analyzed: 11/25/2004 07:27

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	21.2		25	84.8			65-165	20		
Benzene	23.6		25	94.4			69-129	20		
Toluene	26.1		25	104.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	478		500	95.6			73-130			
Toluene-d8	492		500	98.4			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike****Water**

**QC Batch # 2004/11/25-2A.64**

LCS 2004/11/25-2A.64-036

Extracted: 11/25/2004

Analyzed: 11/25/2004 17:36

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	27.7		25	110.8			65-165	20		
Benzene	25.6		25	102.8			69-129	20		
Toluene	29.1		25	116.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	549		500	109.8			73-130			
Toluene-d8	562		500	112.4			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike****Water****QC Batch # 2004/11/27-1C.64**

LCS 2004/11/27-1C.64-028

Extracted: 11/27/2004

Analyzed: 11/27/2004 07:28

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.2		25	92.8			65-165	20		
Benzene	23.5		25	94.0			69-129	20		
Toluene	26.1		25	104.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	540		500	108.0			73-130			
Toluene-d8	550		500	110.0			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike****Water****QC Batch # 2004/11/27-2C.64**

LCS 2004/11/27-2C.64-016

Extracted: 11/27/2004

Analyzed: 11/27/2004 18:16

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.0		25	88.0			65-165	20		
Benzene	21.0		25	84.0			69-129	20		
Toluene	22.7		25	90.8			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	555		500	111.0			73-130			
Toluene-d8	562		500	112.4			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 5030B	Test(s): 8260B	
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2004/11/25-1D.66</b>
MW-11S >> MS		Lab ID: 2004-11-0471 - 001
MS: 2004/11/25-1D.66-048	Extracted: 11/25/2004	Analyzed: 11/25/2004 12:48
MSD: 2004/11/25-1D.66-011	Extracted: 11/25/2004	Dilution: 1.00
		Analyzed: 11/25/2004 13:11
		Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	24.5	25.2	ND	25	98.0	100.8	2.8	69-129	20		
Toluene	25.1	23.6	ND	25	100.4	94.4	6.2	70-130	20		
Methyl tert-butyl ether	23.3	26.3	3.07	25	80.9	92.9	13.8	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	454	482		500	90.8	96.4		73-130			
Toluene-d8	468	437		500	93.7	87.4		81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s):	5030B	Test(s):	8260B
<b>Matrix Spike ( MS / MSD )</b>			
MS/MSD		Water	<b>QC Batch # 2004/11/25-2A.64</b>
MS:	2004/11/25-2A.64-058	Extracted: 11/25/2004	Lab ID: 2004-11-0565 - 009
MSD:	2004/11/25-2A.64-021	Extracted: 11/26/2004	Analyzed: 11/25/2004 23:58
		Dilution: 1.00	Analyzed: 11/26/2004 00:21
		Dilution: 1.00	

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	28.5	28.5	ND	25	114.0	114.0	0.0	65-165	20		
Benzene	25.8	24.9	ND	25	103.2	99.6	3.6	69-129	20		
Toluene	30.2	29.8	ND	25	120.8	119.2	1.3	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	572	584		500	114.3	116.9		73-130			
Toluene-d8	547	545		500	109.4	109.0		81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )****Water****QC Batch # 2004/11/27-1C.64****MS/MSD**

Lab ID: 2004-11-0521 - 001

MS: 2004/11/27-1C.64-047

Extracted: 11/27/2004

Analyzed: 11/27/2004 12:47

MSD: 2004/11/27-1C.64-009

Extracted: 11/27/2004

Dilution: 1.00

Analyzed: 11/27/2004 13:09

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	28.2	20.2	ND	25	112.8	80.8	33.1	65-165	20		R4
Benzene	23.2	19.1	ND	25	92.8	76.4	19.4	69-129	20		
Toluene	28.0	21.1	ND	25	112.0	84.4	28.1	70-130	20		R4
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	603	572		500	120.6	114.4		73-130			
Toluene-d8	562	537		500	112.4	107.4		81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s):	5030B	Test(s):	8260B
<b>Matrix Spike ( MS / MSD )</b>		<b>Water</b>	<b>QC Batch # 2004/11/27-2C.64</b>
MS/MSD			Lab ID: 2004-11-0527 - 001
MS:	2004/11/27-2C.64-046	Extracted: 11/28/2004	Analyzed: 11/28/2004 02:46
MSD:	2004/11/27-2C.64-009	Extracted: 11/28/2004	Dilution: 1.00
			Analyzed: 11/28/2004 03:09
			Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	20.5	24.8	1.59	25	75.6	92.8	20.4	65-165	20		R4
Benzene	17.9	21.7	ND	25	71.6	86.8	19.2	69-129	20		
Toluene	19.1	23.0	ND	25	76.4	92.0	18.5	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	549	550		500	109.8	110.0		73-130			
Toluene-d8	500	506		500	100.0	101.2		81-114			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

01/07/2005 10:44

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

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Phone: (949) 341-7440 Fax: (949) 753-0111

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**Legend and Notes****Analysis Flag**

H1

Extracted out of holding time.

L1

Reporting limits raised due to high level of non-target analyte materials.

L2

Reporting limits were raised due to high level of analyte present  
in the sample.**Result Flag**

Q6

The concentration reported reflect(s) individual or discrete unidentified  
peaks not matching a typical fuel pattern.

R4

RPD exceeded method control limit; % recoveries within limits.

**Diesel**

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**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-11S	11/11/2004 13:10	Water	1
MW-11D	11/11/2004 13:16	Water	2
MW-12S	11/11/2004 12:55	Water	3
MW-10S	11/11/2004 12:40	Water	4
MW-9S	11/11/2004 12:20	Water	5
MW-6S	11/11/2004 11:32	Water	6
MW-6D	11/11/2004 11:20	Water	7
MW-7D	11/11/2004 11:50	Water	8
MW-7S	11/11/2004 12:10	Water	9
UPSTREAM	11/11/2004 14:10	Water	10
DOWNSTREAM	11/11/2004 14:20	Water	11
MW-1	11/11/2004 09:40	Water	12
MW-2	11/11/2004 10:12	Water	13
MW-4	11/11/2004 10:48	Water	14
MW-3	11/11/2004 11:38	Water	15
MW-5	11/11/2004 12:50	Water	16
MW-5D	11/11/2004 12:19	Water	17
MW-8SR	11/11/2004 14:06	Water	18
MW-8DR	11/11/2004 14:17	Water	19

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	<b>MW-11S</b>	Lab ID:	2004-11-0471 - 1
Sampled:	11/11/2004 13:10	Extracted:	11/22/2004 15:44
Matrix:	Water	QC Batch#:	2004/11/22-7B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	11/23/2004 21:34	
<b>Surrogate(s)</b> o-Terphenyl	85.7	60-130	%	1.00	11/23/2004 21:34	

**Diesel**

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Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-11D	Lab ID:	2004-11-0471 - 2
Sampled:	11/11/2004 13:16	Extracted:	11/19/2004 08:13
Matrix:	Water	QC Batch#:	2004/11/19-3A.10
Compound		Conc.	RL
Diesel		ND	50
<i>Surrogate(s)</i>			ug/L
o-Terphenyl		73.3	60-130
Unit		Dilution	Analyzed
		1.00	11/20/2004 05:46
Flag			

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s): 3510/8015M

Test(s): 8015M

Sample ID: MW-12S

Lab ID: 2004-11-0471 - 3

Sampled: 11/11/2004 12:55

Extracted: 11/19/2004 08:13

Matrix: Water

QC Batch#: 2004/11/19-3A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	11/20/2004 06:13	
<b>Surrogate(s)</b> o-Terphenyl	83.9	60-130	%	1.00	11/20/2004 06:13	

**Diesel**

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Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s): 3510/8015M

Test(s): 8015M

Sample ID: MW-10S

Lab ID: 2004-11-0471 - 4

Sampled: 11/11/2004 12:40

Extracted: 11/19/2004 08:13

Matrix: Water

QC Batch#: 2004/11/19-3A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	11/20/2004 20:05	
<b>Surrogate(s)</b>						
o-Terphenyl	87.2	60-130	%	1.00	11/20/2004 20:05	

**Diesel**

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Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	<b>MW-9S</b>	Lab ID:	2004-11-0471 - 5
Sampled:	11/11/2004 12:20	Extracted:	11/19/2004 08:13
Matrix:	Water	QC Batch#:	2004/11/19-3A.10
Compound		Conc.	RL
Diesel		ND	50
<b>Surrogate(s)</b>			ug/L
o-Terphenyl		83.3	60-130
Unit		Dilution	Analyzed
		1.00	11/20/2004 20:33
Flag			

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	<b>MW-6S</b>	Lab ID:	2004-11-0471 - 6
Sampled:	11/11/2004 11:32	Extracted:	11/22/2004 15:44
Matrix:	Water	QC Batch#:	2004/11/22-7B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	11/23/2004 17:57	
<b>Surrogate(s)</b>						
o-Terphenyl	77.0	60-130	%	1.00	11/23/2004 17:57	

**Diesel**

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Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s): 3510/8015M

Test(s): 8015M

Sample ID: MW-6D

Lab ID: 2004-11-0471 - 7

Sampled: 11/11/2004 11:20

Extracted: 11/19/2004 13:08

Matrix: Water

QC Batch#: 2004/11/19-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	11/19/2004 19:07	
<b>Surrogate(s)</b> o-Terphenyl	84.0	60-130	%	1.00	11/19/2004 19:07	

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-7D	Lab ID:	2004-11-0471 - 8
Sampled:	11/11/2004 11:50	Extracted:	11/19/2004 13:08
Matrix:	Water	QC Batch#:	2004/11/19-5A:10
Compound		Conc.	RL
Diesel		ND	50
<i>Surrogate(s)</i>		50.1	60-130
o-Terphenyl		%	1.00
			11/19/2004 19:34
			S6

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	<b>MW-7S</b>	Lab ID:	2004-11-0471 - 9
Sampled:	11/11/2004 12:10	Extracted:	11/19/2004 13:08
Matrix:	Water	QC Batch#:	2004/11/19-5A:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	11/19/2004 20:00	
<b>Surrogate(s)</b> o-Terphenyl	76.6	60-130	%	1.00	11/19/2004 20:00	

**Diesel**

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Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M			
Sample ID:	<b>UPSTREAM</b>	Lab ID:	2004-11-0471 - 10			
Sampled:	11/11/2004 14:10	Extracted:	11/22/2004 06:20			
Matrix:	Water	QC Batch#:	2004/11/22-2B.10			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1400	100	ug/L	2.00	11/26/2004 21:18	Q2
<b>Surrogate(s)</b>						
o-Terphenyl	62.2	60-130	%	2.00	11/26/2004 21:18	

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	DOWNSTREAM	Lab ID:	2004-11-0471 - 11
Sampled:	11/11/2004 14:20	Extracted:	11/24/2004 12:14
Matrix:	Water	QC Batch#:	2004/11/24-3A.10
Compound		Conc.	RL
Diesel		110	50
<b>Surrogate(s)</b>			ug/L
o-Terphenyl		55.7	60-130
Unit		Dilution	Analyzed
		1.00	11/26/2004 18:35
		1.00	11/26/2004 18:35
Flag			
			Q2
			S6

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-1	Lab ID:	2004-11-0471 - 12
Sampled:	11/11/2004 09:40	Extracted:	11/19/2004 13:08
Matrix:	Water	QC Batch#:	2004/11/19-5A.10
Compound		Conc.	RL
Diesel		ND	50
<b>Surrogate(s)</b>			ug/L
o-Terphenyl		72.9	60-130
		%	
		1.00	11/19/2004 21:21
		1.00	11/19/2004 21:21

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-2	Lab ID:	2004-11-0471 - 13
Sampled:	11/11/2004 10:12	Extracted:	11/19/2004 13:08
Matrix:	Water	QC Batch#:	2004/11/19-5A.10
Compound		Conc.	RL
Diesel		ND	50
<b>Surrogate(s)</b>			ug/L
o-Terphenyl		78.7	60-130
Unit		Dilution	Analyzed
	%	1.00	11/19/2004 21:48
Flag			

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s): 3510/8015M

Test(s): 8015M

Sample ID: MW-4

Lab ID: 2004-11-0471 - 14

Sampled: 11/11/2004 10:48

Extracted: 11/19/2004 13:08

Matrix: Water

QC Batch#: 2004/11/19-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	11/20/2004 06:39	
<b>Surrogate(s)</b> o-Terphenyl	44.1	60-130	%	1.00	11/20/2004 06:39	S6

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-3	Lab ID:	2004-11-0471 - 15
Sampled:	11/11/2004 11:38	Extracted:	11/19/2004 13:08
Matrix:	Water	QC Batch#:	2004/11/19-5A.10
Compound	Conc.	RL	Unit
Diesel	ND	50	ug/L
<b>Surrogate(s)</b>			
o-Terphenyl	60.7	60-130	%
			1.00
			11/20/2004 21:55

**Diesel**

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Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	<b>MW-5</b>	Lab ID:	2004-11-0471 - 16
Sampled:	11/11/2004 12:50	Extracted:	11/19/2004 13:08
Matrix:	Water	QC Batch#:	2004/11/19-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	11/20/2004 22:22	
<b>Surrogate(s)</b>						
o-Terphenyl	66.7	60-130	%	1.00	11/20/2004 22:22	

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-5D	Lab ID:	2004-11-0471 - 17
Sampled:	11/11/2004 12:19	Extracted:	11/19/2004 13:08
Matrix:	Water	QC Batch#:	2004/11/19-5A.10
Compound		Conc.	RL
Diesel		ND	50
<b>Surrogate(s)</b>			ug/L
o-Terphenyl		81.6	60-130
Unit		Dilution	Analyzed
		1.00	11/20/2004 07:59
Flag			

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	<b>MW-8SR</b>	Lab ID:	2004-11-0471 - 18
Sampled:	11/11/2004 14:06	Extracted:	11/19/2004 13:08
Matrix:	Water	QC Batch#:	2004/11/19-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	11/20/2004 22:50	
<b>Surrogate(s)</b>						
o-Terphenyl	74.4	60-130	%	1.00	11/20/2004 22:50	

**Diesel**

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Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	<b>MW-8DR</b>	Lab ID:	2004-11-0471 - 19
Sampled:	11/11/2004 14:17	Extracted:	11/19/2004 13:08
Matrix:	Water	QC Batch#:	2004/11/19-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	180	50	ug/L	1.00	11/20/2004 18:43	Q2
<b>Surrogate(s)</b>						
o-Terphenyl	81.4	60-130	%	1.00	11/20/2004 18:43	

**Diesel**

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Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Method Blank**

Water

**QC Batch # 2004/11/19-3A.10**

MB: 2004/11/19-3A.10-001

Date Extracted: 11/19/2004 08:13

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	11/19/2004 22:31	
<b>Surrogates(s)</b> o-Terphenyl	77.4	60-130	%	11/19/2004 22:31	

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Method Blank****Water****QC Batch # 2004/11/19-5A.10**

MB: 2004/11/19-5A.10-001

Date Extracted: 11/19/2004 13:08

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	11/20/2004 16:24	
<b>Surrogates(s)</b> o-Terphenyl	81.0	60-130	%	11/20/2004 16:24	

**Diesel**

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Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Method Blank****Water****QC Batch # 2004/11/22-2B.10**

MB: 2004/11/22-2B.10-001

Date Extracted: 11/22/2004 06:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	11/23/2004 12:52	
<b>Surrogates(s)</b> o-Terphenyl	89.3	60-130	%	11/23/2004 12:52	

**Diesel**

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Project: 41050001FA20

Received: 11/12/2004 16:05

Conoco Phillips # 4935

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Method Blank****Water****QC Batch # 2004/11/22-7B.10**

MB: 2004/11/22-7B.10-001

Date Extracted: 11/22/2004 15:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	11/23/2004 19:45	
<b>Surrogates(s)</b> o-Terphenyl	91.9	60-130	%	11/23/2004 19:45	

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Method Blank****Water****QC Batch # 2004/11/24-3A.10**

MB: 2004/11/24-3A.10-001

Date Extracted: 11/24/2004 12:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	11/26/2004 12:42	
<b>Surrogates(s)</b> o-Terphenyl	79.2	60-130	%	11/26/2004 12:42	

**Diesel**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike****Water****QC Batch # 2004/11/19-3A.10**

LCS 2004/11/19-3A.10-002

Extracted: 11/19/2004

Analyzed: 11/19/2004 22:58

LCSD 2004/11/19-3A.10-003

Extracted: 11/19/2004

Analyzed: 11/19/2004 23:26

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	773	824	1000	77.3	82.4	6.4	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	20.4	21.8	20.0	102.0	109.2		60-130			

**Diesel**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike****Water****QC Batch # 2004/11/19-5A.10**

LCS 2004/11/19-5A.10-002  
LCSD 2004/11/19-5A.10-003

Extracted: 11/19/2004  
Extracted: 11/19/2004

Analyzed: 11/19/2004 18:13  
Analyzed: 11/19/2004 18:40

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	696	766	1000	69.6	76.6	9.6	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	18.6	19.9	20.0	93.1	99.3		60-130			

**Diesel**

TRC Alton Geoscience- Irvine  
Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike****Water**

**QC Batch # 2004/11/22-2B.10**

LCS 2004/11/22-2B.10-002

Extracted: 11/22/2004

Analyzed: 11/23/2004 11:58

LCSD 2004/11/22-2B.10-003

Extracted: 11/22/2004

Analyzed: 11/23/2004 12:25

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %	Flags			
	LCS	LCSD		LCS	LCSD			Rec.	RPD	LCS	LCSD
Diesel	862	854	1000	86.2	85.4	0.9	60-130	25			
<b>Surrogates(s)</b>											
o-Terphenyl	18.6	18.7	20.0	93.0	93.7		60-130				

**Diesel**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike****Water****QC Batch # 2004/11/22-7B.10**

LCS 2004/11/22-7B.10-002

Extracted: 11/22/2004

Analyzed: 11/23/2004 20:12

LCSD 2004/11/22-7B.10-003

Extracted: 11/22/2004

Analyzed: 11/23/2004 20:39

Compound	Conc.	ug/L	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	837	815	1000	83.7	81.5	2.7	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	18.2	18.4	20.0	91.1	92.2		60-130			

**Diesel**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike****Water****QC Batch # 2004/11/24-3A.10**

LCS 2004/11/24-3A.10-002

Extracted: 11/24/2004

Analyzed: 11/26/2004 13:09

LCSD 2004/11/24-3A.10-003

Extracted: 11/24/2004

Analyzed: 11/26/2004 13:36

Compound	Conc.		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	740	813	1000	74.0	81.3	9.4	60-130	25		
<b>Surrogates(s)</b>										
o-Terphenyl	16.2	17.7	20.0	80.9	88.6		60-130			

**Diesel**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 4935

Received: 11/12/2004 16:05

Site: 2200 Mendocino Ave. Santa Rosa

---

**Legend and Notes**

---

**Result Flag**

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

S6

Surrogate recoveries lower than acceptance limits.  
Matrix interference suspected

STI\_San Francisco

1220 Quarry Lane  
Pleasanton, CA 94566

INVOICE REMITTANCE ADDRESS  
2004-11-04

## ConocoPhillips Chain Of Custody Record

ConocoPhillips Site Manager: <b>2004-11-0471</b>		INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS Attn: Dee Hutchinson 3611 South Harbor, Suite 200 Santa Ana, CA. 92704																																													
SAMPLING COMPANY: <b>TRC</b>	Valid Value ID: <b>4935</b>	SITE ADDRESS (Street and City): <b>2200 Monrovia Ave Santa Barbara</b>	EDD DELIVERABLE TO (RP Division): Peter Thomson, TRC pthomson@trcsolutions.com																																												
ADDRESS: <b>21 Technology Drive, Irvine CA 92618</b>	PROJECT CONTACT (Hardcopy or PDF Report to): <b>Anju Farfan</b>	E-MAIL: <b>afarfan@trcsolutions.com</b>	PHONE NO.: 949-341-7408																																												
TELEPHONE: <b>949-341-7440</b>	FAX: <b>949-753-0111</b>	CONSULTANT PROJECT NUMBER <b>4105000/F-A20</b>	EDD (Estimate Date): <b>11/11/04</b>																																												
SAMPLER NAME(S) (Print): <b>Anju Farfan / 1025</b>	TURNAROUND TIME (CALENDAR DAYS): <input type="checkbox"/> 14 DAYS <input type="checkbox"/> 7 DAYS <input checked="" type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS																																														
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED <input checked="" type="checkbox"/>																																															
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<p>REQUERIED ANALYSES</p> <p>8015M - TPHG/BTEX/MBE 8260B - TPHG/BTEX / 8 Oxygenates + methanol (8015M) 8260B - TPHG/BTEX / 8 Oxygenates + methanol (8015M) 8260B - TPHG/BTEX/MBE 8015M - TPHD Extractable 8270C - Semi-Volatileles 8260B - Full Scan VOCs (does not include oxygenates) 8015M / 8021B - TPHG/BTEX/MBE Lead Total DSTLC DTCLP 20°C</p>																																															
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## STL-San Francisco

## ConocoPhillips Chain Of Custody Record

1220 Quarry Lane Pleasanton, CA 94566 (925) 484-1919 (925) 484-1096 fax		CONOCOPHILLIPS Attn: Dee Hutchinson 3611 South Harbor, Suite 200 Santa Ana, CA. 92704																																																																									
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Project Contact (Hardcopy or PDF Report to): <b>Anju Farfan</b>		EDD DELIVERABLE TO (RP or Designee): Peter Thomson, TRC	PHONE NO.: 949-341-7400																																																																								
Telephone: 949-341-7440	Fax: 949-753-0111	E-mail: afarfan@trcsolutions.com																																																																									
Sampler Name(s) (Print): <b>Anju Farfan</b>		Consultant Project Number: 41050001/FA20																																																																									
Turnaround Time (Calendar Days): <b>14 days</b>		<input type="checkbox"/> 14 DAYS <input type="checkbox"/> 7 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input checked="" type="checkbox"/> LESS THAN 24 HOURS																																																																									
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95676

ConocoPhillips Work Order Number:	<b>1333 T91780</b>
ConocoPhillips Cost Object:	<b>2 of 2</b>
DATE:	<b>1/11/04</b>
PAGE:	

GLOBAL ID NO.: <b>B359700612</b>	
CONOCOPHILLIPS SITE MANAGER: <b>Anju Farfan</b>	
TAB USE ONLY	
EMAIL:	
REQUESTED ANALYSES	
Lead DTotol DSTLC DTCLP	
8015M / 8021B - TPtg/BTEX/MBE	
8270C - Semi-Volatiles	
8260B - Full Scan VOCs (does not include oxygenates)	
8260B - TPtg / BTEX / 8 Oxygenates + methanol (8015M)	
8260B - TPtg / BTEX / 8 Oxygenates	
8260B - TPtg/BTEX/MBE	
8015m - TPtg Extractable	
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED <input checked="" type="checkbox"/>	
FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
TEMPERATURE ON RECEIPT C°:	
<b>170</b>	
Date: <b>1/11/04</b>	Time: <b>170</b>
Date: <b>1/12/04</b>	Time: <b>1345</b>
Date: <b>1/12/04</b>	Time: <b>1605</b>

## **STATEMENTS**

### **Purge Water Disposal**

Non-hazardous groundwater produced during purging and sampling was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures – Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water suspected of containing potentially hazardous material, such as liquid-phase hydrocarbons, was accumulated separately in a drum for transportation and disposal by Filter Recycling, Inc.

### **Limitations**

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.